

1 UNITED STATES DISTRICT COURT
2 SOUTHERN DISTRICT OF CALIFORNIA
3 Index No. 3:21-CV-0516-RSH-DDL

-----x

4 DNA GENOTEK INC., a
5 Canadian Corporation,
6 Plaintiff,
- against -

7 SPECTRUM SOLUTIONS L.L.C.,
8 a Utah Limited Liability
9 Company,
10 Defendant.

11 -----x

12 AND RELATED COUNTER-CLAIM

-----x

13 HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY
14

15 Videotaped Deposition of KARL
16 LEINSING, taken by Plaintiff, pursuant to
17 Notice, held at the offices of Morrison &
18 Foerster, LLP, 250 West 55th Street, New
19 York, New York, before Todd DeSimone, a
20 Registered Professional Reporter and Notary
21 Public of the State of New York, commencing
22 at 9:05 a.m., Thursday, April 6, 2023.

23
24 JOB No. 5848819
25 PAGES 1 - 268

**Exhibit
2011**

Page 1

Veritext Legal Solutions
866 299-5127

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 A P P E A R A N C E S : 2 3 MORRISON & FOERSTER, LLP 4 12531 High Bluff Drive 5 Suite 100 6 San Diego, California 92130 7 Attorneys for Plaintiff 8 BY: DREW ALAN HILLIER, ESQ. 9 dhillier@mofo.com 10 CAROLINE F. POHL, ESQ. 11 cpohl@mofo.com 12 13 KNOBBE MARTENS 14 2040 Main Street 15 14th Floor 16 Irvine, California 92614 17 Attorneys for Defendant 18 BY: NICHOLAS M. ZOVKO, ESQ. 19 nicholas.zovko@knobbe.com 20 21 ALSO PRESENT: 22 STEVEN WERELEY 23 ROBERT RUDIS, Videographer 24 25 Page 2	1 Todd DeSimone, and we represent the 2 firm Veritext Legal Solutions. I'm not 3 related to any party in this action nor 4 am I financially interested in the 5 outcome. 6 If there are any objections to 7 proceeding, please state them at the 8 time of your appearances. Counsel and 9 all present will now please state their 10 appearances and affiliations for the 11 record beginning with the noticing 12 attorney. 13 MR. HILLIER: Drew Hillier of 14 Morrison & Foerster LLP on behalf of 15 DNA Genotek Inc. 16 MR. ZOVKO: Nick Zovko of 17 Knobbe Martens on behalf of Spectrum 18 Solutions L.L.P., and with me is an 19 expert, Karl Leinsing. 20 MR. HILLIER: Also with me is 21 Caroline Pohl and Steve Wereley. 22 THE VIDEOGRAPHER: Will the 23 court reporter please swear in the 24 witness and then counsel may proceed. 25 * * * Page 4
1 THE VIDEOGRAPHER: Good 2 morning. We are going on the record at 3 9:05 a.m. April 6th, 2023. 4 Please note the microphones are 5 sensitive and may pick up whispering 6 and private conversations. Please mute 7 your telephones at this time. Audio 8 and video recording will continue to 9 take place unless all parties agree to 10 go off the record. 11 This is media unit one of the 12 video-recorded deposition of Karl 13 Leinsing taken by counsel for plaintiff 14 in the matter of DNA Genotek Inc., a 15 Canadian corporation, versus Spectrum 16 Solutions L.L.C., a Utah limited 17 liability company, filed in the United 18 States District Court, Southern 19 District of California, case number 20 3:21-CV-0516-RSH-DDL. The location of 21 this deposition is Morrison & Foerster 22 LLP, 250 West 55th Street, New York, 23 New York. 24 My name is Robert Rudis, I'm 25 the videographer, the court reporter is Page 3	1 K A R L L E I N S I N G, 2 called as a witness, having been first 3 duly sworn, was examined and testified 4 as follows: 5 EXAMINATION BY MR. HILLIER 6 Q. Good morning, Mr. Leinsing. 7 A. Good morning. 8 Q. You understand that I represent 9 DNA Genotek in this case? 10 A. Yes. 11 Q. How many times have you been 12 deposed? 13 A. Approximately 45 or 50, 14 something like that. 15 Q. So after 50 depositions you 16 understand that you have to answer all my 17 questions with a verbal response? 18 A. Yes, unless counsel advises me 19 not to answer. 20 Q. And you understand that you 21 have to wait until I finish the question 22 before you answer? 23 A. Yes. 24 Q. Is there any reason you cannot 25 testify truthfully today? Page 5

2 (Pages 2 - 5)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 2
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 2 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 A. No. 2 Q. Those 50 depositions that 3 you've had before, were those all as an 4 expert witness? 5 A. No. 6 Q. How many of them were for 7 expert witness depositions? 8 A. Approximately 47 or so. 9 Q. And you were paid as an expert 10 witness for those 47 depositions? 11 A. Yes. 12 Q. And you are paid for this 13 deposition as well? 14 A. Yes. 15 Q. The three depositions or so 16 that weren't expert depositions, what were 17 they? 18 A. One was as a fact witness and 19 two were personal cases. 20 Q. What was the first case when 21 you were a fact witness? 22 A. ICU Medical versus Alaris. 23 Q. And what court was that in? 24 A. I don't recall. 25 Q. What state was that in? Page 6	1 related to this case. 2 Q. Were you a plaintiff in that 3 case? 4 A. Yes. 5 Q. Was that in New Hampshire? 6 A. Yes. 7 Q. New Hampshire state court? 8 A. Yes. 9 Q. What were the claims that you 10 brought against the therapist? 11 A. Malpractice. 12 Q. And what was the result of that 13 lawsuit? 14 A. We had a settlement in the 15 case. 16 Q. So there was no finding of 17 malpractice? 18 A. I don't know how the legal 19 thing worked in the case, but we settled 20 the case and it is confidential. 21 Q. How much time did you spend 22 preparing for today's deposition? 23 A. I don't know the exact amount 24 of time. I spent a few days, four days 25 maybe, five days. I have been doing prep Page 8
1 A. I don't recall. 2 Q. What was the general content of 3 your testimony in that case? 4 A. I was a fact witness regarding 5 a needle-free valve that I invented. 6 Q. Was that a patent case? 7 A. Yes. 8 Q. So you were a fact witness in a 9 patent infringement matter? 10 A. Correct. 11 Q. And what was the outcome of 12 that case? 13 A. The company that was assigned 14 my patent prevailed on the case. 15 Q. And you mentioned two personal 16 cases. What was the first one? 17 A. One was a lawsuit against a 18 therapist. 19 Q. Whose therapist? 20 A. My daughter's. 21 Q. And what was the second lawsuit 22 about? 23 A. I did two depositions I think 24 for that case. Again, I don't recall the 25 approximate numbers I did. It's not Page 7	1 on and off for the last couple of weeks. 2 Q. Did you speak to anyone to 3 prepare for this deposition besides 4 Spectrum's attorneys? 5 A. No. I just spoke to the 6 attorneys. I did speak to Dr. Puglisi. 7 Q. Other than Dr. Puglisi, did you 8 speak with anyone else about your 9 preparation for this case? 10 A. No. 11 Q. What documents did you review 12 to prepare for today's deposition? 13 A. I reviewed my reports, 14 Mr. Wereley's reports, Dr. Metzger's 15 report, Dr. Puglisi's report, and much of 16 the documents that are cited therein. 17 Q. Did you do anything else to 18 prepare for today's deposition? 19 A. I reviewed pictures of the 20 Spectrum device, of the Genotek device, 21 reviewed the videos that I created, I 22 reviewed the asserted patents, I reviewed 23 the claim constructions, motions for 24 summary judgment, and any other documents 25 that are related and pertinent to the case. Page 9

3 (Pages 6 - 9)

Veritext Legal Solutions
866 299-5127

1 Q. Why did you review the motions 2 for summary judgment? 3 A. Because they are pertinent to 4 the case, so I just reviewed the documents. 5 Q. Did you ask to see the motion 6 for summary judgment or did counsel just 7 give it to you? 8 A. I asked to see them. 9 Q. How did you learn that there 10 was a motion for summary judgment? 11 A. I don't recall. 12 Q. Did counsel tell you there was 13 a motion for summary judgment? 14 A. No, I think I asked why one of 15 the asserted patents was still in the case 16 after the claim construction hearing, and I 17 think it came up in conversation. 18 Q. Which patent did you ask about? 19 A. The '187. 20 Q. Did you search for any 21 documents or other records in connection 22 with your preparation for today's 23 deposition? 24 A. I'm sorry, can you repeat that, 25 please? Page 10	1 maintain that objection. 2 MR. HILLIER: So you have 3 waived the objection. 4 MR. ZOVKO: I'm going to 5 maintain the objection. Discussions 6 with counsel, unless it is within one 7 of the limited exceptions of Rule 26, 8 are not permitted to be a subject of 9 this deposition. So if it was a 10 communication with facts that counsel 11 provided to you, you can talk about 12 those facts. If it is something 13 related to your compensation, that's 14 another exception. 15 A. So, first, I misunderstood your 16 previous question, which was did I look for 17 any prior art outside of the prior art that 18 is already discussed in my reports, and no, 19 I did not look for any other prior art that 20 is already cited in the reports. 21 In terms of the prior art that 22 is cited in my reports, I don't recall 23 exactly who found what, but I often look 24 for what I can find in prior art. I did do 25 quite a bit of searching for prior art, Page 12
1 Q. Did you look for any documents 2 to prepare for today's deposition? 3 A. I don't recall, other than the 4 documents that are related or have been 5 cited in this case, I didn't look for 6 anything other than those documents that I 7 recall. 8 Q. In your work for Spectrum, were 9 you asked to search for any documents, such 10 as prior art? 11 A. I was not asked to search for 12 any additional prior art that's not already 13 cited in my reports. 14 Q. So my question is a little 15 different. In your work for Spectrum, were 16 you asked to search for any documents such 17 as prior art? 18 MR. ZOVKO: And I'm going to 19 object. That calls for expert work 20 product and privileged communications. 21 I don't think that's within the limited 22 exceptions to Rule 26. 23 MR. HILLIER: He has already 24 partially answered that question. 25 MR. ZOVKO: I'm going to Page 11	1 especially the stuff that was discussed in 2 the background of my report. 3 Q. Did you find any prior art that 4 is not disclosed in your report? 5 A. I don't -- I don't recall. I 6 would have to look at everything I looked 7 at. I think it depends on how you define 8 prior art. There is a lot of prior art I 9 looked at. There is some prior art that 10 wasn't relevant, some was relevant, some 11 was more important to include in my report. 12 Q. But you considered that prior 13 art in forming your opinions? 14 A. It is prior art. It may not be 15 invalidating prior art, but there is some 16 prior art that I look at and then determine 17 whether it is not significant to include in 18 the report. 19 Q. And you considered that prior 20 art in forming your opinions? 21 MR. ZOVKO: Objection, form. 22 A. I think you're trying to do 23 some kind of legal word with "prior art." 24 When I say -- when you say prior art, there 25 is invalidating prior art or prior art that Page 13

4 (Pages 10 - 13)

Veritext Legal Solutions
866 299-5127

1 I use within my report. I think it depends 2 on the context. 3 Q. Whether or not the prior art is 4 something that you consider invalidating, 5 did you consider the art that you found in 6 forming your opinions? 7 MR. ZOVKO: Objection, form, 8 foundation. 9 A. If I found prior art, I 10 considered it and then I either included it 11 or I did not. 12 Q. So there is some prior art that 13 you did not include in your report that you 14 found and considered? 15 MR. ZOVKO: Objection, form. 16 A. I think it depends on your 17 definition of prior art. If you can define 18 what you mean by prior art, then I can 19 better answer your question. 20 Q. What do you understand prior 21 art means? 22 A. There is prior art that's 23 potentially related art but is not 24 invalidated prior art, meaning it is art 25 prior to the priority date of the asserted Page 14	1 A. I don't recall. I would have 2 to go and look and see everything I have 3 mentioned and everything that was in my 4 files to determine what was included and 5 what wasn't. 6 Q. Do you have a file with the art 7 that you collected? 8 A. I don't recall. I would have 9 to go and look. 10 Q. Why did you testify that you 11 would have to go and look in your file if 12 you don't recall whether you have a file? 13 A. I have a file. I don't know 14 whether there is any documents or prior art 15 in there that is not in my reports. 16 Q. So you were asked to provide an 17 opinion that the SDNA product does not 18 infringe the asserted patent claims; is 19 that right? 20 MR. ZOVKO: Objection, form. 21 A. I was asked to determine if the 22 accused products by Spectrum infringed the 23 asserted patents. 24 Q. How long did you it take you to 25 form your opinions about noninfringement in Page 16
1 patents, and there is prior art which could 2 be potentially invalidating or teachings of 3 a person of skill in the art that would 4 show that the asserted patents is obvious, 5 and there is all types of different legal 6 aspects to prior art and how it is 7 considered reviewed and whether or not it 8 would be invalidating and all the different 9 laws that go under that prior art and how 10 it can be considered. 11 Q. Okay. So using that 12 understanding, there is some prior art that 13 you did not include in your report that you 14 found and considered? 15 MR. ZOVKO: Objection, form. 16 A. I don't recall. I can't sit 17 here and tell you what I looked at a while 18 ago, what was included, what wasn't 19 included. I looked at a lot of different 20 patents and documents. 21 Q. Okay. So you don't -- you 22 don't know whether there is art that you 23 considered that's not included in your 24 report? 25 MR. ZOVKO: Objection, form. Page 15	1 this case? 2 A. A long time. I don't know 3 exactly how long. 4 Q. Do you keep billing records? 5 A. Yes, I do. 6 Q. And you keep billing records 7 for this case? 8 A. Yes, I do. 9 Q. Are you familiar with those 10 records? 11 A. No, I am not. 12 Q. You are familiar with your 13 report though; is that right? 14 A. Yes. 15 Q. And that's your invalidity and 16 noninfringement reports, correct? 17 A. Yes, I'm familiar with those 18 two reports. 19 Q. And you did not speak with 20 Jeremy Johnson, correct? 21 A. That's not correct. 22 Q. When did you speak with Jeremy 23 Johnson? 24 A. Approximately a month ago. I 25 don't recall exactly when. Page 17

5 (Pages 14 - 17)

Veritext Legal Solutions
866 299-5127

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 Q. What did you discuss with 2 Jeremy Johnson? 3 A. I don't recall. I believe we 4 were talking about a product, and I don't 5 recall what product. 6 Q. Did you discuss the accused 7 products with Jeremy Johnson? 8 A. No. 9 Q. Did you discuss this case with 10 Jeremy Johnson? 11 A. No. 12 Q. What did you discuss with 13 Jeremy Johnson? 14 MR. ZOVKO: Objection, form. 15 A. Some product, and I don't 16 recall exactly which one. 17 Q. Was it a Spectrum product? 18 A. I don't recall. I think it 19 might have been a really old one or 20 something. 21 Q. Was it a Genotek product? 22 A. I don't believe so, no. 23 Q. Was it an Ancestry product? 24 A. I don't -- I don't recall. 25 Q. What did you say to Jeremy Page 18	1 things very well. I don't necessarily 2 remember word for word conversations with 3 people I had a month ago. 4 Q. Are you bad about remembering 5 conversations? 6 A. Not generally, but if I'm being 7 deposed and asking word for word what I 8 said or what transpired, then I want to be 9 direct accurate and I don't want to answer 10 incorrectly, and I don't recall enough to 11 be able to put on record what my 12 conversation was a month ago. 13 Q. Give me your best recollection 14 of what you talked about with Jeremy 15 Johnson. 16 MR. ZOVKO: Objection to form. 17 A. I don't know why. It was 18 actually I think the first time I have ever 19 talked to an engineer for the company I was 20 being an expert for. I think it ended like 21 within minutes because I thought, you know, 22 I don't really need to talk to him to do 23 anything in the case, and we hung up the 24 phone pretty quickly. 25 Q. So the purpose of the call was Page 20
1 Johnson during your conversation with him? 2 A. I don't recall. 3 Q. What did Jeremy Johnson say to 4 you during your conversation? 5 A. I don't recall. 6 Q. Why did you have a conversation 7 with Jeremy Johnson? 8 A. It was a short conversation. I 9 don't remember why. I don't recall. 10 Q. Who else was present at the 11 conversation? 12 A. Counsel for Spectrum. 13 Q. And do you recall whether it 14 was about this case? 15 A. It was related to this case, 16 yes. 17 Q. How was it related to this 18 case? 19 A. I don't recall. 20 Q. You don't have any memory 21 problems, do you? 22 A. I'm not good at remembering 23 names or names of places, but generally 24 speaking, no, from an engineering, 25 technical point, I remember technical Page 19	1 to confirm a mechanical aspect of a device? 2 MR. ZOVKO: Objection to form, 3 foundation. 4 A. That misstates my testimony. I 5 did not say that. 6 Q. My question isn't whether you 7 had previously testified to that. My 8 question is whether the purpose of the call 9 was to confirm a mechanical aspect of the 10 device? 11 A. That was not your previous 12 question. But to answer that question, no, 13 I did not call him to confirm any 14 mechanical operation of a device. 15 Q. Did you speak with David Vu? 16 A. No. 17 Q. Did you speak with Federico 18 Gaeta? 19 A. No. 20 Q. Other than Jeremy Johnson, have 21 you spoken with anybody at Spectrum about 22 this case? 23 A. No. And to be clear, I didn't 24 discuss this case with Jeremy either. 25 Q. Okay. So the purpose of your Page 21

6 (Pages 18 - 21)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 6
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 6 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 call with Jeremy Johnson was not to inform 2 your opinions in this case? 3 A. That's correct. I did not tell 4 him anything about my opinions and he 5 didn't tell me his opinions. We did not 6 discuss this case. 7 Q. Okay. What tests did you 8 conduct on the SDNA product to prepare your 9 opinions in this case? 10 A. I wouldn't call them tests. I 11 examined the device. I looked at the 12 device. I disassembled the device. I took 13 pictures of every part of the device. I 14 made a movie of the device and how it is 15 used per the directions for use. And then 16 I sectioned one of the devices so that you 17 could see the components better and how 18 they interact. 19 Q. So you created a video showing 20 the instructions for use? 21 A. I created a video of me 22 operating -- using the device. I have a 23 picture showing the instructions for use. 24 Q. We are going to display a video 25 now. We will designate it as Leinsing Page 22	1 Q. Do you recognize this video? 2 A. Yes. 3 Q. This is the video that you 4 submitted in connection with your report? 5 A. Yes. 6 Q. And in this video the funnel is 7 initially detached from the tube of the 8 SDNA device, correct? 9 A. Yes, as it arrives in the kit. 10 Q. And then you poured liquid into 11 the SDNA device, right? 12 A. I poured liquid through the 13 funnel into the -- into the tube portion of 14 the device, yes. 15 Q. Through the opening of the tube 16 portion of the device, right? 17 A. Through the funnel of the 18 device. 19 Q. How did it get into the tube if 20 it didn't go through the opening of the 21 tube? 22 MR. ZOVKO: Objection, form. 23 A. Because it is poured through 24 the funnel and then the funnel is attached 25 to the opening of the tube. Page 24
1 Exhibit 1. 2 (Leinsing Exhibit 1 marked for 3 identification.) 4 Q. For the record, this is the 5 video bearing Bates number SPCTMG09 -- 6 excuse me, the numbers are 0192592. 7 A. And just so it is clear, the 8 last name is pronounced Leinsing. 9 Q. Thank you, Mr. Leinsing, for 10 telling me that. 11 So we are going to just display 12 this for you here. 13 MR. HILLIER: Let's take a 14 quick break. We are having a tech 15 issue. 16 THE VIDEOGRAPHER: Off the 17 record at 9:29. 18 (Recess taken.) 19 THE VIDEOGRAPHER: We are on 20 the record at 9:32. Please proceed. 21 BY MR. HILLIER: 22 Q. Mr. Leinsing, I'm going to play 23 the video that we just referenced. 24 (Leinsing Exhibit 1 was played 25 at this time.) Page 23	1 Q. So after it goes through the 2 opening of the funnel, it goes through the 3 opening of the tube, correct? 4 A. It actually goes -- the funnel 5 puts the saliva through the funnel and then 6 into the container, and it actually 7 bypasses the opening portion because there 8 is a lip inside there that makes sure all 9 of the saliva gets into the container. 10 Q. But you didn't use saliva in 11 this demonstration? 12 A. No, I used water in this case 13 just to -- I didn't think it would be 14 appropriate to put my spit in that cup. 15 Q. Is there something 16 inappropriate about spit? 17 A. No. I just was -- for the 18 purposes of what I was trying to do, it 19 wouldn't matter whether it was spit or 20 water in order to demonstrate it, and also 21 get everything captured within the video. 22 Q. And you were also -- you were 23 trying to demonstrate that there isn't spit 24 being put into the container directly from 25 the mouth of a user, right? Page 25

7 (Pages 22 - 25)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 7
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 7 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 A. No, that wouldn't be 2 appropriate in what the instruction for use 3 indicates. It says to put the funnel on 4 the container and then to spit into the 5 funnel. So the cup of the water is to 6 simulate the spit that would go through the 7 funnel. I did not make any other attempts 8 to try to spit into the container without 9 the funnel. 10 Q. And you poured the liquid into 11 the container? 12 A. I poured the liquid into the 13 funnel and then the funnel put the liquid 14 into the container. 15 Q. Did you pour it down the center 16 of the funnel? 17 A. I think the video speaks for 18 itself. 19 Q. So after you poured the liquid 20 in, you put the cap in -- withdrawn. 21 After you put the liquid in, 22 you took off the funnel and put the cap on 23 the tube; is that right? 24 A. After I put the liquid that was 25 in the cup that simulated saliva, after I Page 26	1 A. Yeah, I think I preferred your 2 first question, because I don't -- what are 3 you -- what do you mean by it, sealing 4 what? I don't understand the question. 5 Q. Seal the container. 6 A. Okay. Can you say your first 7 question again? 8 Q. So the action of placing the 9 cap on the tube, twisting the cap, causing 10 the valve to open, led to the release of 11 the reagents, correct? 12 A. Correct. 13 Q. And just to be clear, you 14 didn't try spitting into any SDNA device; 15 is that right? 16 A. That's correct. 17 Q. And you didn't ever spit into 18 an SDNA device; is that right? 19 A. That's correct. I only used 20 water in the cup to simulate the saliva and 21 where it is to go. 22 Q. Did you ever ask if you should 23 spit in the device? 24 MR. ZOVKO: And I will object 25 to the extent it is going to call for Page 28
1 put that liquid into the funnel, which 2 directed it into the container, I took off 3 the funnel and then secured the cap on to 4 the container. 5 Q. And when you secured the cap on 6 to the container, you twisted the cap, 7 right? 8 A. I first placed the cap on to 9 the container and then twisted it to secure 10 it and opened the valve that's within the 11 cap. 12 Q. And that action of placing the 13 cap on the tube, twisting it, causing the 14 valve to open, is what releases the fluid, 15 correct? 16 A. Can you repeat that? 17 Q. So you twisted the cap on to 18 the tube to seal it, which caused the valve 19 to open and the fluid to release? 20 MR. ZOVKO: Objection, form. 21 Q. I will state it again. 22 You kept twisting the cap on to 23 the tube to seal it which caused the valve 24 to open and the reagents to release? 25 MR. ZOVKO: Objection, form. Page 27	1 discussions with counsel that are 2 privileged or work product. 3 A. I was not asked and I did not 4 see it necessary to do that to demonstrate 5 what I showed in the video. 6 Q. Did you want to spit into the 7 device? 8 A. Not really. 9 Q. But it is a requirement of 10 claim 1 of the '187 patent that the opening 11 of the device can receive a liquid sample 12 from the mouth of a user? 13 MR. ZOVKO: Objection, form. 14 A. Under the legal sections of my 15 report, it's not my burden to show whether 16 the product infringes or not, that's 17 Mr. Wesley's. It is only my -- I was only 18 asked to review his opinions on whether it 19 infringed or not and then form my opinions 20 on whether or not he was correct in his 21 opinions, and he was incorrect where I 22 noted in my report and I did not need to 23 spit into the device because of the reasons 24 I mentioned in the report. 25 Q. And you are referring to Page 29

8 (Pages 26 - 29)

Veritext Legal Solutions
866 299-5127

1 Dr. Steve Wereley at Purdue University? 2 A. Yes. 3 Q. The SDNA-1000 is sold as a 4 single-use product; is that right? 5 A. That's my understanding, yes. 6 Q. So it gets thrown away once the 7 lab is done with it? 8 MR. ZOVKO: Objection, form. 9 A. When it gets thrown away, 10 whether the lab is done with it, I think it 11 could get thrown away at different stages. 12 But it is not intended to be cleaned and 13 reused. 14 Q. I believe this is going to be 15 Leinsing 2. 16 (Leinsing Exhibit 2 marked for 17 identification.) 18 Q. You have just been handed a 19 document bearing production number 20 SPCTMG0155176. Do you recognize this 21 document? 22 A. Yes. 23 Q. This is a representation of the 24 instructions for use for the SDNA-1000, 25 right? Page 30	1 reviewed I believe might have said that. 2 It's in one of my pictures. 3 Q. Okay. Mr. Leinsing, I actually 4 have a device here. We are going to mark 5 this device Leinsing Exhibit 3. 6 (Leinsing Exhibit 3 marked for 7 identification.) 8 Q. Would you please show that to 9 the camera. 10 MR. ZOVKO: Let me see that 11 first. 12 Q. Would you please open the 13 device in front of the camera. 14 Would you please -- and can you 15 confirm that that device was sealed when 16 you opened it, the package? 17 A. Yes, it was sealed. 18 I would also like to note and 19 correct I think my previous answer, I 20 remembered the funnel being detached from 21 the tube when you get it out of the 22 package, but it actually comes attached. 23 Q. In this instance; is that 24 right? 25 A. In this package, and I believe Page 32
1 A. Correct. 2 Q. I'm going to call this the IFU. 3 The IFU directs a user to fill 4 the tube with saliva to the black wavy 5 line; is that right? 6 A. Yes, that's correct. 7 Q. The text of the IFU does not 8 say to spit on the side of the funnel, does 9 it? 10 A. No, it does not. But it shows 11 to attach the funnel before you fill the 12 tube with or try to fill the tube with 13 saliva. 14 Q. Please read the words that say 15 attach the funnel to the tube. 16 A. It shows a picture of the tube 17 with the funnel attached. 18 Q. But there are no words saying 19 to attach the funnel to the tube before 20 trying to fill the tube with saliva, 21 correct? 22 MR. ZOVKO: Objection, form. 23 A. Not in this instructions for 24 use, but the instructions for use that I 25 believe came with the actual device that I Page 31	1 my package as well. 2 Q. All right. Would you please 3 pull out the piece of paper inside that 4 package and open it. We are going to mark 5 that piece of paper Leinsing I believe it 6 is going to be 4. 7 (Leinsing Exhibit 4 marked for 8 identification.) 9 Q. Are these instructions for use 10 that come with the actual device? 11 A. Yes. 12 Q. So Leinsing Exhibit 4 is the 13 instructions for use that come with the 14 actual device? 15 MR. ZOVKO: Objection, form. 16 A. Yes, Exhibit 4 is the 17 instructions for use that came with the 18 actual device. 19 Q. And Leinsing Exhibit 4 has the 20 same text as Leinsing Exhibit 2, correct? 21 MR. ZOVKO: Objection, form. 22 Q. Let me say it this way: 23 Leinsing Exhibit 4 and Leinsing Exhibit 2 24 contain the same instructions for use? 25 MR. ZOVKO: Objection, form. Page 33

9 (Pages 30 - 33)

Veritext Legal Solutions
866 299-5127

1 A. I don't believe that's entirely 2 correct. The second page of the 3 instructions for use, it has it looks like 4 two different part numbers. Exhibit 2 has 5 part number PS-2019077 version 5.0, and the 6 one that comes with the device says 7 PS-2020243 version 2.0. 8 Q. Can you point to where you are 9 finding that in the Leinsing Exhibit 2? 10 A. As I just said, it's on the 11 second page of the instructions for use, or 12 it is the second page of Exhibit 2 and the 13 second page of Exhibit 4, or the first page 14 if you look at the sticker. It is in the 15 bottom right-hand corner. 16 Q. You are referring to the 17 letters PS-2020243 version 2.0, is that 18 what you are referring to, or something 19 else? 20 A. That's what I'm referring to. 21 Q. Okay. Please turn to the front 22 page of Leinsing 4 where the sticker is. 23 MR. ZOVKO: Okay, stop. Can 24 you give me a copy? You have a copy 25 and the witness has a copy of this? Page 34	1 because those cautions are for something 2 that would give you improper results for 3 the sample. The instructions for use 4 clearly show the funnel on it and it is 5 given to the user with the funnel on it. 6 Q. You are not giving an opinion 7 about the preservation chemistry aspects of 8 the SDNA device, are you? 9 A. No. 10 Q. And whether somebody smoked 30 11 minutes before giving a saliva sample would 12 not impact the mechanical function of the 13 device, correct? 14 A. No. But I know enough to know 15 that saliva and contamination concerns, you 16 would not want saliva on the outside of the 17 container, therefore you would want to use 18 the funnel as instructed. 19 Q. In your report did you give 20 your complete opinions on Genotek's 21 contention that Spectrum infringes the 22 claims of the '187 patent? 23 A. Can you say that again, please? 24 Q. Does your report contain your 25 complete opinions about infringement in Page 36
1 MR. HILLIER: Yes, you can have 2 this. 3 MR. ZOVKO: Thank you. 4 Q. There are no words on Leinsing 5 Exhibit 4, the instructions that came from 6 the package, saying to attach the funnel to 7 the tube before trying to fill the tube 8 with saliva, correct? 9 A. There are no words that say to 10 attach it because, as we just saw, the 11 funnel is already attached to the tube and 12 the picture shows the funnel attached to 13 the tube, to instruct the user that you 14 spit through the funnel to get saliva into 15 the tube. 16 Q. And right above step 1, there 17 is an attention symbol that says "Do not 18 eat, drink, smoke or chew gum for 30 19 minutes before giving your saliva sample"; 20 is that right? 21 A. That's correct. 22 Q. And that warning symbol doesn't 23 say that you must use the funnel before 24 spitting into the tube, does it? 25 A. That caution doesn't say must, Page 35	1 this case? 2 MR. ZOVKO: Objection, form. 3 A. Yes, I believe it does, in 4 addition to whatever we discuss here today 5 in my deposition. 6 Q. We are done with those 7 exhibits. We can put them aside. 8 Actually, would you mind just putting the 9 instructions for use that came with it back 10 in. 11 A. Sure. 12 Q. Did anyone advise you on how to 13 evaluate Genotek's infringement 14 allegations? 15 MR. ZOVKO: Again, 16 Mr. Leinsing, I will caution you not to 17 reveal attorney-client communications. 18 A. No. 19 Q. Did you make any assumptions in 20 evaluating infringement in this case? 21 A. No. 22 Q. Who drafted your expert report? 23 A. I did the first draft and then 24 had some help with counsel with citations 25 and getting documents and putting Page 37

10 (Pages 34 - 37)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 10
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 10 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 everything together. 2 Q. Which lawyers helped you draft 3 the report? 4 MR. ZOVKO: Objection, form. 5 A. As I mentioned to you, I'm not 6 good with names. There was an attorney 7 that I think is on vacation that was 8 helping me put the pictures in where I told 9 him to and where I wanted things done, and 10 he's on vacation. 11 Q. How much time did you spend 12 drafting the report? 13 A. Which report are you speaking 14 about? 15 Q. Thank you. How much time did 16 you spend drafting your invalidity report? 17 A. A lot of time. I don't recall 18 exactly how long. 19 Q. And how much time did you spend 20 drafting your infringement report? 21 A. Well, as you can tell by the 22 number of pages, it was less time than the 23 invalidity, but I carefully went through 24 the infringement report from Dr. Wesley and 25 then did my own analysis and then wrote Page 38	1 or more individuals? 2 A. Yes, I agree with that aspect, 3 with the individuals being defined as 4 outlined in my report. 5 Q. So it's your opinion that the 6 SDNA-1000, SDNA-2000 and SDNA-3000 have the 7 same structure and chemistry; is that 8 right? 9 MR. ZOVKO: Objection, form. 10 A. They have the same mechanical 11 structures, but I can't answer the 12 chemistry part. 13 Q. Are the SDNA-1000, SDNA-2000 14 and SDNA-3000 the same size? 15 A. I'm not 100 percent sure. I 16 believe they are. It was just different 17 labeling or some uses on the different 18 devices, but I'm not -- I'm not 100 percent 19 sure without looking at the labeling and 20 the devices. 21 Q. Did you review labeling for the 22 SDNA-2000 and 3000 in preparing for your 23 deposition? 24 A. I think I did. I know I did 25 ask what the differences were between the Page 40
1 that report, so less time than the 2 invalidity report, because there was just 3 less to review. 4 MR. ZOVKO: And you are 5 referring to Dr. Wereley here? 6 THE WITNESS: Wereley, sorry. 7 I told you I was bad with names. 8 Q. So you understand that you have 9 a different opinion than Dr. Wereley and 10 Dr. Metzker about the level of ordinary 11 skill in the art for both the '187 and the 12 '646 patent? 13 A. Can you say that again, please? 14 Q. Do you share Dr. Wereley's and 15 Dr. Metzker's opinion about the level of 16 ordinary skill in the art for either 17 patent-in-suit? 18 A. I think we have some slight 19 differences, but I -- but it did not impact 20 my opinions either way, and I noted those 21 differences in my report and where I 22 disagree. 23 Q. But among those differences, do 24 you agree that the person of ordinary skill 25 in the art could be made of a team of two Page 39	1 three, and for the purposes of my reports I 2 considered them essentially the same 3 products. 4 Q. Who did you ask? 5 A. Counsel. 6 Q. And what did counsel tell you? 7 A. They sent me the information or 8 there was some labeling I think I saw of 9 the three, and saw -- there was something I 10 looked at that I confirmed that all three 11 were essentially the same. I don't recall 12 exactly what it was I looked at. And I 13 believe they confirmed that that was the 14 case, and I think both sides have agreed 15 that they are essentially the same 16 mechanical device. 17 Q. Including the -- so they are 18 the same -- they have the same function? 19 A. They function the same way. 20 They are essentially the same for the 21 purposes of this case. 22 Q. Including the size of them? 23 A. Again, I'm not 100 percent 24 sure, but I believe the sizes are the same, 25 but, again, I don't think even if they were Page 41

11 (Pages 38 - 41)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 11
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 11 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 slightly different in size it wouldn't 2 impact the opinions that I provide in this 3 case. 4 Q. And it's not your opinion that 5 the SDNA-3000 is larger than the SDNA-1000? 6 A. Again, I don't think that's the 7 case but I don't remember 100 percent. I 8 believe they were all the same exact 9 device, it was just something with the 10 labeling that was different. 11 Q. So as part of your efforts to 12 form your opinion in this case, you shook a 13 container; is that right? 14 MR. ZOVKO: Objection, vague. 15 A. I shook the device, which had 16 the cap attached to the container. 17 Q. So you, just for the record, so 18 you did shake a container to form your 19 opinions in this case, right? 20 MR. ZOVKO: Objection, vague. 21 A. No, I shook the entire device, 22 which includes the cap and the container 23 for the five seconds indicated on the 24 instructions for use. 25 Q. Why don't you want to say that Page 42	1 you didn't consider that the specification 2 of the '187 patent states that samples can 3 be shipped to a laboratory for analysis; is 4 that right? 5 A. That was a long question. Can 6 you repeat that, please? 7 Q. In your analysis of claim 1, 8 you didn't consider that the specification 9 of the '187 patent states that samples can 10 be shipped to a laboratory for analysis; is 11 that right? 12 MR. ZOVKO: Objection, form. 13 A. I don't understand your 14 question. 15 Q. What don't you understand about 16 the question? 17 A. Can I have copies of the 18 patents and copies of my reports, please? 19 Q. Yeah, sure. But my question is 20 what don't you understand about my 21 question? 22 A. Well, I just don't understand 23 your question. If I understood it enough 24 to tell you what I don't understand, I just 25 don't understand it. Page 44
1 you shook the container? 2 MR. ZOVKO: Objection, form. 3 A. Because using the proper 4 terminology of the patents, asserted 5 patents, I want to make it clear that I 6 didn't try to shake it without the cap, and 7 the entire device includes the cap and the 8 container, not just the container. 9 Q. Okay. So the container was 10 closed when you shook it? 11 MR. ZOVKO: Objection, form. 12 A. The container had the cap on it 13 and together that device I shook for the 14 five seconds according to the instructions 15 for use. 16 Q. And the cap closed the 17 container? 18 A. The device had the cap attached 19 to the container. 20 Q. When you shook it, did anything 21 come out of it? 22 A. The device had the cap securely 23 attached to the container and I did not 24 notice any leaks coming from the device. 25 Q. In your analysis of claim 1, Page 43	1 Q. Okay, you don't understand it. 2 You didn't analyze the fact 3 that the '187 patent contemplates 4 transporting the sample to a laboratory, 5 did you? 6 MR. ZOVKO: Objection, form. 7 A. To properly analyze a product 8 and whether or not it would infringe a 9 claim, you would read the claims, and the 10 claims did not have any kind of 11 requirements for transport. But when you 12 look at the entire device and you 13 understand the completed device, that's a 14 whole different analysis to doing claim 15 construction, or, I'm sorry, doing claim 16 analysis and infringement analysis. 17 Q. Did you consider the fact that 18 the '187 patent teaches that the container 19 can be mailed back to the testing lab at 20 room temperature? 21 MR. ZOVKO: Objection, form. 22 A. I don't understand your 23 question. You say did I consider it for 24 what? 25 Q. Well, you understand that you Page 45

12 (Pages 42 - 45)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 12
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 12 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 are testifying today here as an expert for 2 Spectrum, right? 3 A. Yes. 4 Q. Okay. And in forming your 5 opinions on infringement on behalf of 6 Spectrum, you didn't consider the fact that 7 the '187 patent teaches that the container 8 can be mailed back to the testing lab at 9 room temperature, correct? 10 MR. ZOVKO: Objection, form. 11 A. A person of skill in the art in 12 terms of terms considers plain and ordinary 13 meaning in light of the specification. To 14 the extent that any of that gave a 15 person -- myself as a person of skill in 16 the art any indication on understanding 17 those claim terms to do the infringement 18 analysis, I would consider it. But I don't 19 see how transportation and the temperature 20 would impact the understanding of the claim 21 terms and the claims under the Court's 22 construction of those terms. 23 Q. Why wouldn't transportation 24 impact the understanding of the claim terms 25 and the claims under the Court's Page 46	1 Q. Does this appear to be the 2 safety data sheet for the SDNA-1000? 3 MR. ZOVKO: Objection, form. 4 A. That's what the document says. 5 Q. Will you please turn to page 2 6 of Spectrum's safety data sheet. Will you 7 please read out loud the sentence that -- 8 or the sentence that follows the bold word 9 "Disposal" halfway down page 2 of the 10 Spectrum safety data sheet. 11 A. It says "P501 Dispose of 12 contents or container in accordance with 13 local and national regulations." 14 Q. And the contents of -- 15 withdrawn. 16 The contents or container need 17 to be disposed of because they contacted 18 the solution and the biological sample; is 19 that right? 20 MR. ZOVKO: Objection, form. 21 A. Yeah, I mean, this is -- this 22 is a piece of extrinsic evidence to the 23 patents. What you would want to do is 24 actually dispose of the entire device which 25 would include the cap and the container in Page 48
1 construction of those terms? 2 A. It's not part of the claim 3 terms. I think it's irrelevant in 4 understanding the claim terms. I don't see 5 how that would impact a person of skill in 6 the art's understanding of the claims. The 7 claims I think speak for themselves and are 8 pretty clearly outlining each element 9 that's required in the claim. 10 Q. I'm going to hand you a 11 document bearing production number 12 SPCTMG0097388. 13 (Leinsing Exhibit 5 marked for 14 identification.) 15 MR. ZOVKO: I would like to 16 designate the transcript today Highly 17 Confidential - Outside Counsel Only, 18 under the protective order in this 19 action. 20 Q. Do you recognize this document? 21 A. No, I do not. 22 Q. Did you review this document in 23 preparing your expert reports? 24 A. I don't recall looking at this, 25 no. Page 47	1 accordance with local and national 2 guidelines, so to prevent contamination of 3 others to the contents. 4 Q. Okay. So the cap should also 5 be disposed of? 6 MR. ZOVKO: Objection, form. 7 A. Yes, the entire device would 8 need to be disposed of properly. 9 Q. But the safety data sheet does 10 not refer to the cap as a, quote, "cap," 11 unquote; is that right? 12 MR. ZOVKO: Objection, form. 13 A. Again, this is a piece of 14 extrinsic evidence to the patent, and the 15 wording they use was container. I think 16 they are implying that it would be the 17 entire device, because you would want to 18 dispose of the entire device. 19 Q. Okay. We are done with that 20 exhibit. 21 Is the opening of the SDNA tube 22 capable of receiving saliva directly from 23 the mouth of the user? 24 A. I did not do that analysis, 25 because that's not what the instructions Page 49

13 (Pages 46 - 49)

Veritext Legal Solutions
866 299-5127

1 for use tell the user to do with the 2 device. 3 Q. So you don't have an opinion 4 about whether the opening of the SDNA tube 5 is capable of receiving saliva directly 6 from the mouth of the user? 7 A. Again, I believe in my report, 8 this is the second time I'm going to ask 9 you for copies of my report, but I believe 10 I said in there that I thought the opening 11 was small, that it would be improper to try 12 to do that without the funnel, and that 13 there would be risk of contamination 14 outside of the funnel if you tried to use 15 the device outside of the way it was 16 intended to be used. 17 Q. But that's not an opinion that 18 the opening of the tube is not capable of 19 receiving saliva directly from the mouth of 20 a user? 21 MR. ZOVKO: Objection, form. 22 A. Again, I believe I said, if 23 not, I will add to that, I think if we look 24 at the device, it is a very small opening 25 to just the tube. It would be difficult Page 50	1 MR. HILLIER: Okay, we will do 2 it. 3 A. Because I believe the claims 4 say to -- I mean, again, I need to look at 5 the patent, but I believe it says something 6 to deposit saliva inside the tube or, you 7 know, in the opening, and the opening would 8 be the circumferential line that defines 9 the opening, which means that saliva does 10 not go outside that line in the claim. 11 But, again, you are refusing to 12 give me the patent, and I can give you the 13 exact words of the claim if you would allow 14 me to. I think it is improper that you are 15 holding back the patent and making me try 16 to answer the questions in memory of the 17 patent. 18 Q. Okay. It is your opinion that 19 it would be a misuse of the instructions 20 for use to spit into the tube without the 21 funnel; is that right? 22 A. Correct. 23 Q. The instructions for use don't 24 use that word, "misuse"; is that right? 25 MR. ZOVKO: Objection, form. Page 52
1 for a user to try to get that much saliva 2 in there without spilling anything outside. 3 As we mentioned, as you showed in the 4 safety data sheet, that it could be a 5 contamination issue. The device is not 6 instructed to be used that way. It comes 7 with the funnel attached. And I made those 8 opinions in my report. 9 Q. You understand that the claims 10 of the '187 patent do not require 11 depositing saliva into the tube without 12 spilling, right? 13 A. I will ask again, can I please 14 have a copy of the patents so I can read 15 what the claim says? 16 Q. So you don't know that to be 17 the case right now? 18 A. I have read the patent many 19 times, but is there a reason why you can't 20 give me a copy of the patent? 21 MR. ZOVKO: Drew, he has asked 22 for his report and the patent, and I 23 think it would facilitate answering 24 some of your questions to provide 25 those. Page 51	1 A. The FDA would, if you do not 2 follow the instructions for use, then it is 3 considered a misuse if you use the device 4 outside of the way it was instructed, and 5 the device is clearly shipped with the 6 funnel attached and it shows the picture of 7 the funnel attached when it instructs the 8 user to deposit saliva into it. 9 Q. You understand that millions of 10 the SDNA devices were shipped to users? 11 A. I don't know the exact number 12 that were shipped. 13 Q. Would it surprise you to know 14 that millions of people have used the SDNA 15 device? 16 A. I have no opinion on that. I 17 don't know that to confirm or deny. 18 Q. So you don't have an opinion 19 that if millions of these devices were 20 shipped to users, that some of them would 21 misuse the product and spit into the tube 22 without the funnel? 23 MR. ZOVKO: Objection, form. 24 A. I would think that if Spectrum 25 thought that you could spit into the Page 53

14 (Pages 50 - 53)

Veritext Legal Solutions
866 299-5127

1 funnel, it would save them, if they were 2 shipping millions, they would save a lot of 3 money by not molding that funnel. So I 4 don't -- I don't see any reason why a user 5 would purposely take the funnel off that's 6 already supplied to them on and misuse the 7 device. 8 Q. Do you think one of the reasons 9 that they attached the funnel was to try to 10 avoid infringement of the '187 patent? 11 MR. ZOVKO: Objection, form. 12 A. I don't think that's the case. 13 I don't have opinion as to what Spectrum 14 motivations to do something or not. But I 15 don't see why they would -- I don't see why 16 they would make a separate part that would 17 cost extra money instead of making the 18 device bigger or something different. 19 Q. Okay. Let's mark this next one 20 number 6. 21 MR. ZOVKO: Drew, we have been 22 going over an hour. Can we take a 23 short break? 24 MR. HILLIER: Oh, that would be 25 great. Page 54	1 (Leinsing Exhibit 6 marked for 2 identification.) 3 Q. Do you recognize this document 4 as a Spectrum document that describes the 5 SDNA-1000? 6 A. Yes. 7 Q. Do you see under the phrase 8 "Intuitive" on the right-hand side, it says 9 "Intuitive three-step design proven to 10 reduce customer collection errors"? 11 A. Yes, I see that, and that's 12 what it says. 13 Q. You don't understand that 14 sentence to say that the SDNA-1000 is 15 error-proof, correct? 16 A. No, it doesn't say error-proof. 17 Q. Is a reagent compartment a type 18 of container? 19 MR. ZOVKO: Objection, form. 20 A. In the context of these 21 patents, I believe that the reagent 22 compartment is part of the container, which 23 does not include the cap. 24 Q. My question is different. Is a 25 reagent compartment a type of container? Page 56
1 THE VIDEOGRAPHER: Off the 2 record at 10:20. This marks the end of 3 media unit number one. 4 (Recess taken.) 5 THE VIDEOGRAPHER: We are on 6 the record at 10:30. This marks the 7 beginning of media unit number two. 8 BY MR. HILLIER: 9 Q. Mr. Leinsing, you did not spit 10 into the SDNA device to determine whether 11 some saliva goes through the middle of the 12 funnel without touching the funnel, did 13 you? 14 A. No, I did not do that test. 15 Q. You agree that there is an 16 opening at the top of the tube of the SDNA 17 device? 18 A. Yes. 19 Q. And you agree that the cap of 20 the SDNA device fits on top of the tube? 21 A. Yes, the cap fits on top of the 22 container. 23 Q. I'm going to mark this next 24 exhibit Leinsing 6, please. It has Bates 25 number SPCTMG0129378. Page 55	1 MR. ZOVKO: Objection, form. 2 A. Again, in the context of the 3 patents, I don't believe that's correct. 4 It is the reagent compartment is part of 5 the -- is in the container that does not 6 include the cap. 7 Q. So in your opinion the reagent 8 compartment does not contain reagents? 9 MR. ZOVKO: Objection, form. 10 A. The reagent compartment is 11 called the reagent compartment, which 12 contains reagents. 13 Q. So the reagent compartment is a 14 type of container because it contains 15 reagents? 16 MR. ZOVKO: Objection, form. 17 A. I haven't done that analysis, 18 but I guess -- I guess it could be a 19 container. It also doesn't have a cap. It 20 has at least one sidewall, at least has one 21 wall, but that was not required in my 22 analysis of the patent because the 23 container is a separate component that 24 would have the reagent compartment within 25 it, but does not include the cap. Page 57

15 (Pages 54 - 57)

Veritext Legal Solutions
866 299-5127

1 MR. ZOVKO: Drew, could you 2 please provide the witness copies of 3 the patents and his reports like he has 4 requested and you said you would? 5 MR. HILLIER: Yes, I will, when 6 I start asking questions about that 7 more directly. 8 MR. ZOVKO: Well, you are 9 asking about the claim and he is giving 10 answers without looking at the patent. 11 He has asked multiple times. If you 12 are not going to do it I will take a 13 break and I will ask someone here to 14 print it out. If you can't do it, I 15 will have someone at my office print it 16 out. 17 MR. HILLIER: I will do it but 18 I have some other questions about what 19 he did with the SDNA device. I'm going 20 to ask those first. 21 Q. In your video that we reviewed 22 earlier today, the mixture of the water and 23 solution went back into the reagent 24 compartment after you sealed it with the 25 cap; is that right? Page 58	1 container up and down? 2 A. That's correct. 3 Q. And while you were flipping the 4 container up and down, the mixture went in 5 and out of the reagent compartment? 6 A. Yes, in the case of the 7 Spectrum device, the reagent compartment is 8 in the cap and it was able to go back in 9 and out of the cap, go from the container 10 into the cap and back and forth. 11 Q. So the SDNA product is a device 12 for receiving and preserving nucleic acid 13 in a biological sample, right? 14 A. I cannot answer that. 15 Q. And you can't answer that 16 because you don't have an opinion? 17 A. I don't think it's -- I think 18 that would be a better question for 19 Dr. Puglisi. 20 Q. And that's because you're not 21 offering an opinion on whether it is a 22 device for receiving and preserving nucleic 23 acid in a biological sample? 24 MR. ZOVKO: I will object, 25 form, and I'm going to demand that he Page 60
1 A. Say that again. 2 Q. Do you remember the video we 3 looked at earlier today? 4 A. Yes. 5 Q. You added water with a cup into 6 the tube. Do you remember that? 7 A. I added water that represented 8 saliva into the funnel that guided the 9 simulated saliva into the container. 10 Q. And it went through the funnel 11 to the container? 12 A. Correct. 13 Q. And then you screwed the cap 14 back on? 15 A. No, then I removed the funnel 16 and then I screwed the cap on. 17 Q. And that released the reagents? 18 A. Yes, that released the 19 reagents. 20 Q. And then you vigorously shook 21 the container? 22 A. Yes, I shook the container the 23 five seconds as indicated by the 24 instructions. 25 Q. And then you flipped the Page 59	1 gets a copy of his report. If not, I'm 2 going to stop the depo and print them 3 out. You are asking about his opinions 4 and the patent claims. Okay, so let's 5 take -- 6 MR. HILLIER: The question is 7 pending. We are not going to take a 8 break while the question is pending, 9 and then I will give him the report, or 10 I will give him the patent. 11 A. So you are asking me questions 12 that would come from Dr. Puglisi, and I've 13 formed those opinions based on his reports 14 which are in my reports, and I would like 15 to see my reports and the patents to answer 16 questions further. 17 Q. Okay. I will give you -- let's 18 get the '187 patent. 19 (Leinsing Exhibit 7 marked for 20 identification.) 21 Q. So you are being handed a copy 22 of the '187 patent, which is Leinsing 23 Exhibit 7. 24 MR. ZOVKO: And the witness has 25 also asked for a copy of his report Page 61

16 (Pages 58 - 61)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 16
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 16 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 which you just asked if he gave 2 opinions about certain claim 3 limitations, and he is entitled to see 4 that. 5 MR. HILLIER: Let's also mark 6 L-8, Leinsing 8, this is Mr. Leinsing's 7 rebuttal report. 8 (Leinsing Exhibit 8 marked for 9 identification.) 10 Q. Do you recognize Leinsing 7 as 11 the '187 patent? 12 A. Yes. 13 Q. So you're not, just to 14 understand, are you comfortable answering 15 questions about your opinion without 16 reading it from your report? 17 A. Yes. To the extent you were 18 asking me questions that had to do with 19 Mr. Puglisi's opinions, that I relied on 20 him, then no, I'm not comfortable without 21 reading my report. To the extent that you 22 are also asking me questions what are all 23 my opinions, I can't remember all of what 24 I've documented. So it depends on the 25 question. Page 62	1 A. Because you are citing to an 2 element of the claim, and so I'm looking at 3 that element of the claim and thinking 4 about your question. 5 Q. Okay. Does claim 1 of the '187 6 patent require one or more walls defining 7 the containment vessel? 8 A. To the way the Court has 9 construed "containment vessel," meaning 10 container which does not include the cap, 11 yes, it does. 12 Q. Does the SDNA product have one 13 or more walls defining a containment 14 vessel? 15 A. I just answered that question. 16 Q. Did you answer the question yes 17 or no? 18 A. I think there is a 19 misunderstanding on Genotek's part on what 20 containment vessel definition is, so I want 21 to make it clear that my understanding of 22 containment vessel is container, as 23 construed by the Court, which does not 24 include the cap. In that understanding, 25 the Spectrum device would have one or more Page 64
1 Q. Okay. And during the break you 2 said that you have testified in 50 cases 3 and you have always been given a copy of 4 the patent; is that right? 5 A. I have been given a copy of the 6 patent when I have politely requested it, 7 yes. 8 Q. In those 50 cases? 9 A. Well, in at least the cases 10 that I was an expert or fact witness. 11 Q. You agree that the SDNA-1000 12 has one or more walls defining the 13 containment vessel; is that right? 14 A. Can you repeat that question, 15 please? 16 Q. The SDNA product has one or 17 more walls defining the containment vessel? 18 MR. ZOVKO: Objection, form. 19 Q. Mr. Leinsing, why are you 20 reading the patent to answer that question? 21 MR. ZOVKO: Objection, form. 22 Why don't you let him answer your first 23 question. Or are you withdrawing the 24 original question and asking a new one? 25 MR. HILLIER: Yeah. Page 63	1 walls defining a containment vessel. 2 Q. So you agree that the SDNA-1000 3 has one or more walls defining the 4 containment vessel? 5 A. Yes, under the understanding of 6 the Court's construction and the way it 7 should be understood, which means that the 8 containment vessel does not include a cap. 9 As I said in my report, I'm not 10 looking at my report, I remember what I 11 said in my report, that I disagree with 12 Dr. Wereley and his understanding of that 13 and how it is being met, and I have 14 multiple opinions on that in my report. 15 Q. You agree that the SDNA-1000 16 has one or more walls defining the 17 container? 18 MR. ZOVKO: Objection, form. 19 A. Yes, under the Court's 20 construction and my understanding of what a 21 container is, which is the part of the 22 device that doesn't have the cap, it has 23 one or more walls that define that 24 container. 25 Q. You agree that the SDNA product Page 65

17 (Pages 62 - 65)

Veritext Legal Solutions
866 299-5127

1 has a closed bottom having a sample 2 receiving area for holding the biological 3 sample? 4 MR. ZOVKO: Objection, form. 5 A. Yes, the SBNA, SDNA, excuse me, 6 has a bottom and has walls for holding a 7 sample. 8 Q. And you agree that the 9 SDNA-1000 has an opening? 10 MR. ZOVKO: Objection, form, 11 vague. 12 A. Yes, there is an opening. 13 Q. And you agree that the 14 SDNA-1000 has an opening that sealably 15 receives a cap? 16 MR. ZOVKO: Objection, form. 17 A. Can you repeat that? I didn't 18 hear the first part. 19 Q. You agree that the SDNA-1000 20 has an opening that sealably receives a 21 cap? 22 A. Correct, yes. 23 Q. And you agree that the 24 SDNA-1000 has at least one marking on one 25 or more walls which corresponds to a fluid Page 66	1 force is perpendicular to a direction of 2 rotation of the sealing cap." 3 Q. What did you do to determine 4 whether the SDNA-1000 practices the 5 limitations within claim 24? 6 A. Well, I first reviewed 7 Dr. Wereley's report and where he 8 identified the barrier, and then I looked 9 at the device and saw that the force 10 couldn't possibly exert a force on that 11 barrier that he identified. 12 Q. Other than looking at the 13 device, did you do anything else to 14 determine whether or not the SDNA-1000 15 practices the limitations within claim 24? 16 A. No, I didn't do anything else. 17 I just examined the actual device where the 18 barrier was that was identified by 19 Dr. Wereley and showed where portions of 20 that barrier don't even move, never mind 21 having a force exerted on them. 22 Q. So as the cap is turned on to 23 the tube of the SDNA-1000, the barrier 24 moves up, correct? 25 MR. ZOVKO: Objection, form. Page 68
1 volume in the sample receiving area? 2 MR. ZOVKO: Objection, form. 3 A. Yes. 4 Q. And you agree that the 5 SDNA-1000 has a sealing cap? 6 MR. ZOVKO: Objection, form. 7 A. Yes. 8 Q. Claim 24 of the '187 patent 9 recites the device of claim 23 "wherein 10 engaging the thread on the sealing cap and 11 the opening comprises exerting a force on 12 the barrier wherein the force is 13 perpendicular to a direction of rotation of 14 the sealing cap." 15 Did I read that correctly? 16 A. I don't think so. Can you say 17 that again? Or I can read it for you if 18 you want. 19 Q. Yeah, would you, please. 20 A. So claim 24 says "the device of 21 claim 23," so it is a dependent claim, and 22 then 23 depends on claim 1, it goes on to 23 then say "wherein engaging the thread on 24 the sealing cap and the opening comprises 25 exerting a force on the barrier wherein the Page 67	1 A. That's incorrect. 2 Q. Why is that incorrect? 3 A. Because the barrier identified 4 by Dr. Wereley is the top of the two 5 cylinders, and the outer cylinder, called 6 the flare insert, does not move. 7 Q. What is your opinion about what 8 aspect of the SDNA-1000 acts as a barrier 9 within the valve assembly of the cap? 10 MR. ZOVKO: Objection, form, 11 beyond the scope. 12 A. I analyzed what Dr. Wereley 13 called the barrier, and what he identified 14 as the barrier would not be -- would not 15 move and would not be described by claim 24 16 and other claims. 17 Q. And you -- it's your opinion 18 that Dr. Wereley identified the top of the 19 valve stem flare as the barrier? 20 A. Could you please hand me 21 Dr. Wereley's report so I can answer your 22 question? 23 Q. Well, why don't you turn to 24 paragraph 99 of your report. 25 A. Yes, I'm there, which says at Page 69

18 (Pages 66 - 69)

Veritext Legal Solutions
866 299-5127

1 the bottom I cite to Wereley's opening 2 report, paragraph 99. So I would like that 3 report so that I could fully answer it, 4 because I believe his picture is colored. 5 Mine is not colored. 6 MR. ZOVKO: So for the record, 7 Exhibit 8 is a copy of Mr. Leinsing's 8 report, but it is in black and white, 9 and color can be important, as the 10 witness has pointed out, in some of the 11 images. So we would request that 12 Exhibit 8 be an accurate copy of his 13 report, which would be color. 14 MR. HILLIER: Okay, we will get 15 a color report. 16 Q. Here is a color version of I 17 think it is paragraph 99 of the report. 18 A. Thank you. So can you repeat 19 your question? 20 Q. Yes. Is it your opinion that 21 Dr. Wereley identified the top of the valve 22 stem flare as the barrier? 23 A. That's incorrect. He 24 identified the top of the two cylinders and 25 he says it, by his label, he says "barrier Page 70	1 object, for the record, the image in 2 paragraph 110 is not an accurate 3 version of Mr. Leinsing's report. 4 Exhibit 8 is black and white; 5 Mr. Leinsing's report is color. 6 A. Yes, the figure in paragraph 7 110 is not colored, but I think -- well, 8 now I forgot your question. Can you say 9 your question again? 10 Q. It may have been the speaking 11 objection that made you forget. 12 In paragraph 110 of your report 13 you reproduce an image from Dr. Wereley's 14 opening report showing the closed and open 15 configurations of the flare insert and 16 valve stem flare, correct? 17 A. Correct. 18 Q. And there is an arrow pointing 19 from the words "barrier displaces" toward 20 the open configuration, correct? 21 A. I'm not quite sure. I mean, he 22 is pointing to the flare insert, which 23 doesn't move, so I don't quite understand 24 his figure, which is the purpose why I 25 included it here and why it is problematic Page 72
1 formed by top of cylinders," plural, and 2 then he colors it and the line goes all the 3 way across on top of the flare insert and 4 on top of the valve stem flare. 5 Q. But you agree that the flare 6 insert and the valve stem flare function 7 together to prevent reagents from flowing 8 from the reagent compartment to the tube 9 before screwing the cap on to the tube? 10 MR. ZOVKO: Objection, form, 11 beyond the scope. 12 A. There is a seal formed between 13 the flare insert and the valve stem flare, 14 yes, that's correct. 15 Q. And that seal prevents the 16 reagents from flowing out when in the 17 closed position, correct? 18 A. Correct. 19 Q. Would you please turn to 20 paragraph 110 of your report. In paragraph 21 110 of your report you reproduce an image 22 from Dr. Wereley's opening report showing 23 the closed and open configuration of the 24 flare insert and valve stem flare, correct? 25 MR. ZOVKO: Again, I will Page 71	1 in claim 24 because the flare insert 2 doesn't displace. 3 So the seal that we talked 4 about between the flare insert and the -- 5 and the valve stem flare then becomes 6 problematic for claim 24, as it can't be 7 met because only one part of that seal 8 moves. 9 Q. So it's your opinion that both 10 the valve stem flare and the flare insert 11 would have to move in order for force to be 12 exerted on the barrier? 13 MR. ZOVKO: Objection, form. 14 A. The flare insert and the valve 15 stem flare would both have to move in order 16 to satisfy at least claim 24, and it does 17 not. 18 Q. And what words in claim 24 are 19 you relying on for that opinion? 20 A. "Exerting a force on the 21 barrier." That's because the '187 patent 22 is a completely different invention than 23 the Spectrum device. That's why it's not 24 working. 25 Q. Did you plan to make a Page 73

19 (Pages 70 - 73)

Veritext Legal Solutions
866 299-5127

1 statement like that before your deposition 2 began? 3 A. No. I have no idea what your 4 questions are. 5 Q. Okay. You have trouble 6 understanding the questions? 7 A. No. If I do, I ask you, as I 8 have. 9 Q. So the flare insert in the SDNA 10 product functions as a barrier; is that 11 right? 12 A. Can you repeat that, please? 13 Q. Yeah, I will withdraw it. 14 You agree that the flare insert 15 stays put and the valve stem flare goes up 16 when sealing the SDNA cap on to the tube? 17 A. If the device is oriented with 18 the cap on the top, yes, I would agree with 19 that. 20 Q. It depends on the orientation? 21 A. Yes, and with how I prefaced my 22 answer with the cap at the top, when you 23 attach the cap to the top, the center valve 24 stem would move up. 25 Q. And when -- when you say Page 74	1 A. Yes. 2 Q. You conclude in paragraph 114 3 of your report that the '187 patent, quote, 4 "describes displacing the entire barrier." 5 Did I read that correctly? 6 A. I don't see where you were 7 reading. I said that the '187 patent 8 describes that the disc spans the 9 compartment and separates the first and 10 second areas, and that the pivoting disc to 11 the second position, dot dot dot, this 12 establishes the barrier, and this is where 13 the big difference is between the '187 14 patent and the accused device. There isn't 15 a disc or big -- or barrier that goes all 16 the way across that moves or is displaced. 17 Q. Mr. Leinsing, you didn't read 18 the last paragraph, or the last sentence in 19 paragraph 114, did you, just now? 20 A. No, I didn't read the first one 21 either. 22 Q. Would you please read the last 23 sentence out loud of paragraph 114. 24 A. Okay. You didn't ask me to do 25 that, but I will do that now. It says Page 76
1 "center valve stem," you are referring to 2 the valve stem flare? 3 A. Yes. 4 Q. The inner cylinder of the 5 valve? 6 A. Correct. 7 Q. And when the valve stem flare 8 goes up, the vent is exposed? 9 A. That's correct. 10 Q. And the flare insert and valve 11 stem flare function together to stop the 12 flow of reagents when closed? 13 MR. ZOVKO: Objection, form. 14 A. Can you say the beginning part 15 of that again? 16 Q. You agree that the flare insert 17 and the valve stem flare function together 18 to prevent the flow of reagents from the 19 reagent compartment when in the closed 20 position? 21 MR. ZOVKO: Objection, form. 22 A. Those two parts do function 23 together to form a seal, yes, that's 24 correct. 25 Q. So that's a yes? Page 75	1 "Thus, the '187 patent describes displacing 2 the entire barrier, not merely a portion of 3 the barrier," which is what I just also 4 said. 5 Q. Okay. So you do conclude that 6 the '187 patent describes displacing the 7 entire barrier? 8 A. Yes, the entire barrier, not 9 merely a portion of the barrier, like the 10 accused device. It is only moving a 11 portion of the barrier that Dr. Wereley 12 identifies as the barrier. 13 Q. And you are pointing in 14 paragraph 114 to various parts of the 15 specification of the '187 patent, right? 16 Withdrawn. 17 You agree that claim 1 does not 18 use the phrase "entire barrier," correct? 19 A. What was your question again? 20 Q. Claim 1 of the '187 patent does 21 not use the words "entire barrier," 22 correct? 23 A. It doesn't expressly say 24 "entire barrier," but it says "having a 25 barrier," and it is saying "said barrier" Page 77

20 (Pages 74 - 77)

Veritext Legal Solutions
866 299-5127

1 sealing and containing the reagents." 2 Q. So that's a no, correct? 3 MR. ZOVKO: Objection, form. 4 A. It doesn't expressly have that 5 word, but it uses other words that tells a 6 person of skill in the art that there is a 7 barrier, a single barrier, the complete 8 barrier, and Dr. Wereley identified what he 9 thought that barrier was, and unfortunately 10 the identification of that barrier doesn't 11 work for these claims. 12 Q. So claim 1 -- 13 A. Because the device is 14 different. 15 Q. Claim 1 does not use the exact 16 words "entire barrier," correct? 17 MR. ZOVKO: Objection, form. 18 A. It does not use the words 19 "entire barrier," but it says "a barrier." 20 So I don't understand what difference it 21 would be between the entire barrier or a 22 barrier. 23 Q. So claim 1 does not use the 24 words "entire barrier"? 25 MR. ZOVKO: Objection, form. Page 78	1 A. Claim 1 does not expressly use 2 the word "entire," but with other words 3 within the claim you understand the barrier 4 is the whole barrier that is sealing the 5 reagent within the compartment. 6 Q. My question is a yes or no 7 question. Do you see the words "entire 8 barrier" in claim 1 of the '187 patent? 9 MR. ZOVKO: Objection, form. 10 A. I don't expressly see the word 11 "entire." But I see other words that 12 convey the -- a barrier or a complete 13 barrier that would be required to seal the 14 contents in the compartment. 15 Q. So that's a no. 16 In claim 23 you also don't read 17 the words "entire barrier," correct? 18 MR. ZOVKO: Objection, form. 19 A. I don't see the words "entire" 20 or "barrier" in claim 23. 21 Q. And you also don't see the word 22 "entire" in claim 24, correct? 23 MR. ZOVKO: Objection, form. 24 A. I see the words "the barrier." 25 It doesn't say "entire barrier." It Page 80
1 A. Asked and answered. 2 Q. And your answer was no, 3 correct? 4 MR. ZOVKO: Objection, form. 5 A. No, that's not correct. It 6 does not use the word expressly "entire," 7 but it uses the words "a barrier." So a 8 barrier tells me it's the whole barrier. 9 You can't have a portion of the barrier and 10 then have it seal. The rest of that claim 11 language says said "barrier sealing and 12 containing the reagents." So if it's not 13 the entire barrier, how could it seal? 14 Q. It is a simple question. Do 15 you see the words "entire barrier" in claim 16 1? 17 MR. ZOVKO: Objection, form. 18 A. I don't see the word "entire," 19 but I see the words that say "a barrier" 20 and other language that tell me it's the 21 entire barrier that is sealing and 22 containing the reagents. 23 Q. So when you read claim 1 of the 24 '187 patent, you did not read the words 25 "entire barrier"? Page 79	1 doesn't need to say the words "entire 2 barrier." You would understand based on 3 the "barrier" word used in claim 1 that it 4 is that barrier, that single barrier, that 5 you are applying a force to and displacing. 6 Q. So it is your testimony that 7 claim 1 of the '187 patent can't have more 8 than one barrier? 9 MR. ZOVKO: Objection, form. 10 A. My opinions are the barrier 11 that even Dr. Wereley identified, there is 12 no way you can apply a force to that entire 13 barrier or the barrier that he identifies. 14 Q. But you're not testifying that 15 the valve stem flare could move if there 16 was not force exerted on it, correct? 17 MR. ZOVKO: Objection, form. 18 A. The valve stem flare has a 19 force that is applied to it and will move, 20 which is the inner cylinder. The outer 21 flare insert is not exhibiting a force 22 being exerted on it. 23 Q. And the valve stem flare in 24 your opinion is part of the barrier even if 25 not the entire barrier? Page 81

21 (Pages 78 - 81)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 21
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 21 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 A. Dr. Wereley says that that's 2 part of the barrier. The entire barrier or 3 the full barrier or the barrier is the tops 4 of the cylinders as he identified in 5 paragraph 99 of his report. 6 Q. Do you think the sides of the 7 inner and outer cylinder function as a 8 barrier in the SDNA-1 product? Let me say 9 that again. 10 Do you think that the valve 11 stem flare and the flare insert have sides 12 that function as a barrier to prevent 13 fluids from flowing through the vent? 14 A. In my analysis, I opined on 15 what Dr. Wereley identified as the barrier, 16 and then did my analysis from that 17 identification of what he -- to the 18 barrier. I did not define a barrier. I 19 don't think the Spectrum device has a 20 barrier. It is just a different device. 21 So the reason we are having 22 such a hard time is because the two devices 23 are so different. They don't fit within 24 the claim limitations. 25 Q. There is no barrier in the Page 82	1 Q. Okay. You did not conduct your 2 own analysis in your report about whether 3 there is a different barrier in the 4 SDNA-1000 product, correct? 5 A. I did not identify a different 6 barrier, no. I don't think any barrier 7 would satisfy the limitations of the claim. 8 Q. You are not offering an 9 opinion, correct, that it would be 10 impossible to return a barrier to the 11 pre -- let me withdraw that question and 12 say it again. 13 Turning to claim 28, it's your 14 opinion that it would be difficult to 15 return a barrier in the accused device to 16 the pre-disestablished position; is that 17 right? 18 A. I said in my report it would be 19 difficult to return a portion of that 20 barrier that was identified by Dr. Wereley 21 to its pre-disestablished position. It was 22 not intended to do that. It is not 23 designed to do that. 24 Q. But it's not impossible to do 25 that, right? Withdrawn. Page 84
1 SDNA-1000? 2 MR. ZOVKO: Is there a 3 question? 4 Q. Yeah. There is no barrier in 5 the SDNA-1000? 6 MR. ZOVKO: Objection, form. 7 A. There is no barrier in the 8 Spectrum devices that falls within the 9 scope of the claims of the '187 patent. 10 Q. And the basis of your opinion 11 for that is what you contend is 12 Dr. Wereley's identification of the barrier 13 which you reference in paragraph 99 of your 14 report; is that right? 15 A. My issues with his barrier, at 16 minimum, are what I discussed for claim 24, 17 are paragraphs 98 to paragraphs 106. 18 Q. And those paragraphs, according 19 to you, identify the top of the cylinders 20 as the barrier? 21 A. For purposes of my analysis, I 22 just accepted what Dr. Wereley identified 23 as the barrier and demonstrated how it 24 doesn't satisfy the limitations of the 25 claim. Page 83	1 You have not tested whether it 2 is impossible to return the barrier to the 3 pre-disestablished position, correct? 4 A. I have disassembled the entire 5 device, and through my analysis of looking 6 at the device I came to the conclusions I 7 mentioned in my report, where it would be 8 difficult to do that because of the nature 9 of the spool type valve in the Spectrum 10 device. 11 Q. Difficult, but not impossible, 12 right? 13 A. Well, I haven't been successful 14 at doing that. I think Dr. Wereley says he 15 did it with pliers. I don't think this 16 device was intended to be used with a pair 17 of pliers. 18 Q. You didn't try to take pliers 19 and pull down the valve stem flare, did 20 you? 21 A. No. I don't think that would 22 be proper. I don't think the device was 23 intended to be used with pliers. There is 24 other languages within claim 1 that talks 25 about capable of disestablishment in claim Page 85

22 (Pages 82 - 85)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 22
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 22 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 1, and when you read that word in section 2 (b) of claim 1, we don't look at that as 3 taking a pair of pliers to disestablish it, 4 so I don't understand why you would take a 5 pair of pliers to put it back in the 6 pre-disestablished position. It just 7 doesn't make any sense. 8 Q. You are not offering -- you are 9 not offering any claim construction 10 opinions, are you? You haven't submitted a 11 report about claim construction? 12 A. I submitted a report on my 13 understanding of terms outside of what the 14 Court has construed. In some the Court had 15 construed plain and ordinary meaning. My 16 understanding of plain and ordinary meaning 17 of terms is that understanding to a person 18 of skill in the art like myself in view of 19 the claims and specification, which 20 includes the file history. 21 So in areas where I need to 22 describe it, whether it is now in the 23 deposition or in my report, I describe my 24 understanding of those terms as I either 25 answer your question or write my report. Page 86	1 appropriate. 2 A. So I would like to show on the 3 camera that when you open the package you 4 don't see a pair of pliers inside this 5 package. 6 Q. Okay. I don't think that's 7 disputed. But the question is -- my 8 question wasn't about the accused product, 9 sir. It was about does claim 28 of the 10 '187 patent say that the barrier must be 11 capable of returning to a 12 pre-disestablished position without any 13 tools? 14 A. So it doesn't say without any 15 tools. A person of skill in the art would 16 understand when it says capable of 17 returning to its pre-disestablished 18 position, you would understand that 19 terminology the same way you understand it 20 in claim 1 when it says capable of 21 disestablishment. 22 When you look at claim 1, 23 nobody has ever said that you take a pair 24 of pliers to open it, and so for the same 25 reasons you wouldn't think of taking a pair Page 88
1 Q. Claim 28 of the '187 patent 2 does not say that the barrier must be 3 capable of returning to a 4 pre-disestablished position without any 5 tools, correct? 6 A. Well, what did you do with the 7 kit? 8 Q. Hang on. Before you do that, I 9 just want you to answer this question. 10 A. I'm going to answer the 11 question with the kit. Are you taking 12 something out of my hands? 13 Q. I just wanted to see -- 14 A. This is an exhibit to my depo, 15 right? 16 Q. But first I want to ask you a 17 question. 18 A. You just did. I'm going to 19 answer it. 20 MR. ZOVKO: Mr. Hillier, he has 21 asked to see an exhibit you have 22 already marked at this deposition in 23 answering the question. 24 Q. Okay. You can see it. 25 MR. ZOVKO: It is completely Page 87	1 of pliers to close it. It's just not the 2 way a person of skill in the art reads the 3 patent or would understand the use of the 4 product or any of this. That's a -- it's 5 not just proper. 6 That is part of the reason why 7 I wrote the other section, which is lack of 8 written description. There is nowhere in 9 the patent that talks about how claim 28 10 would be achieved. It is just -- it is 11 invalid. It makes no sense. 12 Q. That was a very long answer to 13 a simple question. 14 A. That's your opinion. I think 15 it was very thorough. It is a crazy thing. 16 You are talking about putting a pair of 17 pliers in a product that's been sterilized. 18 Why would you even want to put it into a 19 pre-disestablished position? There is 20 just -- there is no teachings of it. There 21 is no -- anything in the patent. That 22 claim just pops up in the middle of the end 23 of the patent with no specifications 24 supporting it whatsoever. 25 Q. Claim 24 doesn't, sorry, claim Page 89

23 (Pages 86 - 89)

Veritext Legal Solutions
866 299-5127

1 28 doesn't require the use of tools to 2 return it to a pre-disestablished position; 3 is that right? 4 A. A person of skill in the art 5 reading 28 would not understand you to need 6 or use tools, and even if you did use 7 tools, it is my opinion on the Spectrum 8 device is it would be very difficult to 9 impossible to do that. But regardless of 10 the difficulty and whether or not you can 11 do it, a person of skill in the art would 12 not understand you to need tools. 13 There is no written, again, no 14 written description support either way, 15 whether you do it with tools, without 16 tools, or how you even do that. How is a 17 person of skill in the art to understand 18 what that even means? 19 Q. You have trouble understanding 20 what it means? 21 A. Yeah, which is why I wrote in 22 my report it lacks written description 23 support within the specification. I 24 understand what the claim says. I don't 25 understand where the written description Page 90	1 record at 11:24. 2 (Recess taken.) 3 (Leinsing Exhibit 8A marked for 4 identification.) 5 (Leinsing Exhibit 9 marked for 6 identification.) 7 (Leinsing Exhibit 10 marked for 8 identification.) 9 THE VIDEOGRAPHER: We are on 10 the record at 11:51. Please proceed. 11 BY MR. HILLIER: 12 Q. Earlier we were talking about 13 whether the flare insert stays put while 14 the valve stem flare goes up. Do you 15 remember that? 16 A. Yes. 17 Q. And that's the action that 18 occurs when the tube is held stationary and 19 the cap is screwed on to the tube, correct? 20 A. Yes, that's correct, that's 21 what happens when the cap is screwed on to 22 the container. 23 Q. And if you hold the -- if you 24 hold the cap steady but turn the tube, 25 which way -- withdrawn. Page 92
1 support comes from for that claim. You 2 definitely wouldn't understand to take a 3 pair of pliers to it. 4 Q. Let's look at -- we will get to 5 written description, but these questions 6 are about infringement. 7 A. Well, it is hard to determine 8 infringement if you don't have written 9 description support to a person of skill in 10 the art to understand what 11 pre-disestablishment of a barrier means or 12 how that -- where the written description 13 support is for that. So they kind of go 14 hand in hand. 15 MR. ZOVKO: Drew, this has come 16 up. Some of the previously marked 17 exhibits are sort of now next to you 18 under your control. They should be 19 next to the witness so he can reference 20 it if he feels it appropriate answering 21 the question. Thank you. 22 MR. HILLIER: That's fine. Why 23 don't we take a break. We are at a 24 good stopping point for the next topic. 25 THE VIDEOGRAPHER: Off the Page 91	1 If you hold the cap steady and 2 turn the tube, then the flare insert moves 3 and the valve stem flare stays put, 4 correct? 5 MR. ZOVKO: Objection, form. 6 A. So I think it's the other way 7 around. It is relative movement, so if you 8 are talking relative to the cap and you 9 hold the cap still and you screw on the 10 container or the tube, the valve stem flare 11 will move up. All these answers being with 12 the cap at the top, so that we have up and 13 down, straight. 14 Q. So if the cap is at the top and 15 you hold it steady but turn the tube, the 16 flare -- 17 A. You have to turn and move the 18 tube into the cap, if holding the cap 19 steady. 20 Q. And what will happen to the 21 flare insert if you turn the tube and hold 22 the cap steady? 23 A. It is part of the cap, so it is 24 fixed to the cap, so it will not move. The 25 flare insert does not move if the cap is -- Page 93

24 (Pages 90 - 93)

Veritext Legal Solutions
866 299-5127

1 the relative viewpoint is the cap and the 2 cap is held stationary. 3 Q. And what if the tube is the 4 relative viewpoint and you turn the tube 5 and not the cap, what happens to the flare 6 insert? 7 A. Well, it is hard to answer 8 because you have to -- you have to move the 9 cap. I mean, you have to turn the cap and 10 move something. So I don't -- I can't 11 really answer your question because you 12 haven't said what moves. 13 Q. So in this hypothetical, the 14 tube moves. 15 A. So the cap is stationary? 16 Q. Correct. 17 A. And so what's the rest of your 18 question? 19 Q. If you hold the cap stationary 20 and turn the tube into the cap, where does 21 the flare insert move relative to the tube? 22 MR. ZOVKO: Objection, 23 foundation. 24 A. If you are holding the cap 25 stationary and you are moving the container Page 94	1 A. They are parts of an annular 2 valve, but not the annular valve as 3 described by the '187 patent. 4 Q. But they are part of an annular 5 valve? 6 MR. ZOVKO: Objection, form. 7 A. I mean to add to my last 8 answer, too, that not the annular valve 9 described by -- the annular valve described 10 by the '646, not the '187. It doesn't meet 11 the barrier described by the '187, so just 12 to be clear on that. 13 So can you repeat your next 14 question? 15 Q. You are only providing an 16 opinion on the mechanical limitations of 17 the '646 patent, correct? 18 A. I comment on all of the 19 limitations, as I describe in my report. 20 But to the extent that there is chemical 21 aspects, I rely on Dr. Puglisi for those 22 chemical or biological aspects of the 23 patents or claims. 24 Q. And I should have put it on the 25 record when we started, do you have in Page 96
1 or the tube into -- and turning into the 2 cap, the flare insert would move -- would 3 not move. It is because it is fixed to the 4 cap. 5 Q. And where would the valve stem 6 flare move relative to the tube? 7 A. If the cap is stationary and 8 you are moving the tube or the container 9 into the cap, then the valve stem flare 10 would move. 11 Q. And it would move relative to 12 the tube in the answer you just gave, or 13 relative to the cap? 14 A. It would not initially move 15 with the tube. Once the tube or container 16 is associated with the inner cylinder, not 17 the outer, so we are talking about the 18 inner valve stem flare would not move 19 initially until they come in contact, and 20 then they would move together. 21 Q. And to make sure I understand, 22 so the flare insert and the valve stem 23 flare are parts of an annular valve, 24 correct? 25 MR. ZOVKO: Objection, form. Page 95	1 front of you copies of both of your reports 2 in this case? 3 A. Yes, I do now, thank you. 4 Q. And your opening report is 5 Leinsing Exhibit 9, correct? 6 A. Yes, the opening report is 7 Leinsing Exhibit 9. 8 Q. And you also have a copy of the 9 '646 patent in front of you, that's Exhibit 10 10? 11 A. Yes. 12 Q. And you also have an additional 13 copy of your rebuttal report which is 14 Exhibit 8A? 15 A. Yes, that's correct, Exhibit 16 8A, which is a color version of Exhibit 8. 17 Q. Do you need to change any of 18 your answers from earlier today that were 19 discussing your black and white copy of 20 your report based on the lack of color? 21 A. Not that I can recall, no. 22 Q. During the break did you talk 23 with your attorney? 24 A. Yes, just about getting copies 25 of the patents and reports. Page 97

25 (Pages 94 - 97)

Veritext Legal Solutions
866 299-5127

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 Q. Did you talk about your 2 testimony? 3 A. No. 4 Q. Can you please turn to 5 paragraph 136 of your rebuttal report. Are 6 you there? 7 A. Yes. 8 Q. In paragraph 136 of your 9 rebuttal report you opine that the flare 10 insert is not associated with the opening 11 of the sample collection reservoir; is that 12 right? 13 A. Correct. 14 Q. But you agree that the flare 15 insert is associated with the cap, right? 16 MR. ZOVKO: Objection, form. 17 A. I did not make that opinion in 18 my report, but I believe that's correct. 19 Q. You agree that the flare insert 20 is associated with the valve stem flare? 21 MR. ZOVKO: Objection, form. 22 A. It is associated only for the 23 purposes of sealing. 24 Q. Okay. So there is an 25 association between the valve stem flare Page 98	1 of a Spectrum device. 2 Q. Did you cut the flare insert 3 and valve stem flare as well? 4 A. I cut the cap, the flare 5 insert, the valve stem flare, and the 6 container or tube. 7 Q. And to make sure I understand, 8 again, is it your opinions that the valve 9 stem flare is not associated with the tube? 10 A. No, the valve stem flare is 11 associated with the opening of the tube, 12 but the flare insert is not. 13 Q. And that's because the valve 14 stem flare reaches the opening of the tube; 15 is that right? 16 MR. ZOVKO: Objection, form. 17 A. It is the -- it is what -- yes, 18 it has an outer flange to it that contacts 19 the opening of the tube. 20 Q. And in paragraph 137 you have a 21 picture of the SDNA-1000 that you cut in 22 half and it shows the valve stem flare 23 associated with the opening of the tube, 24 correct? 25 MR. ZOVKO: Objection, form. Page 100
1 and the flare insert? 2 MR. ZOVKO: Objection, form. 3 A. I didn't hear you, sorry. 4 Q. There is an association between 5 the valve stem flare and the flare insert? 6 MR. ZOVKO: Objection, form. 7 A. Yes, for the purposes of 8 creating a seal. 9 Q. Is the valve stem flare 10 associated with the tube? 11 A. No. 12 Q. Why is the valve stem flare not 13 associated with the tube in your opinion? 14 A. As I said in my report, it does 15 not contact or have any functional 16 relationship between the two. 17 Q. Is the valve stem flare 18 associated with the cap? 19 MR. ZOVKO: Objection, form. 20 A. I believe you already asked me 21 that, and I said yes, for sealing purposes. 22 Q. You prepared what I will call a 23 cut-away of the SDNA device; is that right? 24 A. Yes, I took a razor blade and 25 cut down the middle of all the components Page 99	1 A. Correct, to show that it is the 2 valve stem flare that associates with the 3 opening of the tube and not the flare 4 insert. The flare inert is not associated 5 in any way with the tube. 6 Q. What are the different ways 7 that things can be associated? 8 MR. ZOVKO: Objection, form, 9 vague. 10 A. I think myself and the Court 11 agrees that it would be a contact or some 12 sort of functional relationship between two 13 components. 14 Q. And that's the construction you 15 applied in your report? 16 A. Yes, that's correct. 17 Q. So what are the different ways 18 that components within a saliva collection 19 device can be associated? 20 MR. ZOVKO: Objection, form. 21 A. I think I would have to look at 22 the context or the particular part to 23 answer that question. They would need to 24 have either contact or some sort of 25 functional relationship between the two. Page 101

26 (Pages 98 - 101)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 26
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 26 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 Q. And when you say functional 2 relationship between the two, do you mean 3 indirect physical interaction? 4 A. No, it doesn't require direct 5 physical interaction. It requires either 6 physical contact or some sort of functional 7 relationship or interaction between the 8 two. 9 Q. And it's your opinion that 10 there is no functional relationship or 11 interaction between the flare insert and 12 the opening of the tube? 13 A. That's correct. They don't 14 contact each other. They don't move 15 together. If one moves, the other doesn't 16 move with it, or in any manner with it. 17 There is no functional nor physical 18 interaction between those two components; 19 therefore, it does not infringe the patent, 20 the '646 in particular. 21 Q. So you have listed contact as 22 one type of functional association. You 23 have listed -- what else is there besides 24 contact under your understanding of the 25 word "association"? Page 102	1 there being something in between them. 2 There is some sort of relationship cause 3 and action that happens between the two of 4 them. 5 Q. So if there was a washer in 6 between the valve stem flare and the 7 opening of the tube, you would still 8 consider that to be an association? 9 A. Yes. I would still consider 10 that an association between those two 11 components. 12 Q. And if there was a different 13 blocking member besides a washer in between 14 the valve stem flare and the opening of the 15 tube, you would still find that there is 16 association? 17 MR. ZOVKO: Objection, form. 18 A. Not necessarily. I would need 19 to look at the particular example. You 20 need to make sure that there is some sort 21 of functional relationship. You just can't 22 put something between the two objects. 23 There still needs to be that functional 24 relationship. In this case when the tube 25 or container moves or at least comes in Page 104
1 A. A functional interaction or 2 functional relationship. So, for example, 3 you could have two gears turning, one 4 turning another gear, although those two 5 also contact, but when one turns, the other 6 one turns. There is some sort of physical 7 or functional relationship between the 8 parts. 9 Q. And that physical or functional 10 relationship between the parts can be an 11 indirect physical or functional 12 relationship; is that right? 13 MR. ZOVKO: Objection, form. 14 A. I think it depends on the 15 context. You still have to have that 16 functional relationship between them. So 17 they don't have to be direct, meaning that 18 you could have -- you could have a washer 19 between the valve stem flare and the 20 opening of the tube or container, and they 21 would still be associated with each other, 22 even though they don't directly contact. 23 But they have to have that functional 24 relationship with them, meaning that they 25 move together in that case, regardless of Page 103	1 direct or indirect contact with the valve 2 stem flare, it moves with it. 3 Q. And when the valve stem flare 4 hits the opening of the tube, the valve 5 stem flare moves through the flare insert, 6 correct? 7 MR. ZOVKO: Objection, form. 8 A. It moves up within the flare 9 insert, but does not move through in the 10 way the claim tries to define the movement 11 of the inner and outer cylinders. 12 Q. And when it moves within it, as 13 you've said -- withdrawn. 14 When the valve stem flare moves 15 within the flare insert, there is 16 frictional contact between the flare insert 17 and the valve stem flare, correct? 18 A. Correct. 19 Q. And that frictional contact 20 caused by the movement of the valve stem 21 flare within the flare insert comes from 22 the force exerted by the opening of the 23 tube on to the valve stem flare, correct? 24 A. Yes, the force comes from the 25 container or tube acting only on the valve Page 105

27 (Pages 102 - 105)

Veritext Legal Solutions
866 299-5127

1 stem flare. 2 Q. And the action on the valve 3 stem flare by the opening of the tube 4 causes the valve stem flare to move through 5 the flare insert? 6 MR. ZOVKO: Objection, form. 7 A. Yeah, the tube -- the tube 8 contacts the valve stem flare and then it 9 moves up in relation to the flare insert. 10 The flare insert doesn't move or have any 11 action with the action of the tube, nor 12 does it contact it. There is no functional 13 or physical relationship between the flare 14 insert and the tube or container. 15 Q. When you say the flare insert 16 doesn't move or have any action with the 17 action of the tube nor does it contact it, 18 you are referring to the tube that it 19 doesn't have contact with? 20 A. That's right. It doesn't have 21 any sort of physical or functional 22 association with the container. 23 Q. And without that contact, it's 24 not going to have an association? 25 A. It doesn't necessarily need the Page 106	1 Q. You have a master's degree in 2 engineering, right? 3 A. Yes. 4 Q. Do you understand Newton's 5 third law? 6 A. Yes. 7 Q. What is it? 8 A. For every action there is an 9 equal and opposite reaction. 10 Q. And so when the tube opening 11 pushes against the valve stem flare, which 12 in turn pushes against the flare insert, do 13 you agree that there is a countervailing 14 force pushing back on the valve stem flare 15 which pushes back on the opening of the 16 tube, right? 17 A. But the -- that's correct, 18 except that the action is moving the tube 19 and then the reaction is the movement of 20 the valve stem as a result. If there was 21 no friction and then you wouldn't require 22 any force, then just the simple movement of 23 the tube would result in movement of the 24 valve stem flare. If there is a lot of 25 friction, then the movement of the tube or Page 108
1 contact as we have discussed, but there is 2 no functional, in other words, it 3 doesn't -- it doesn't move. There is no 4 action as a result of the tube moving or 5 contacting anything. It is a completely 6 separate part, not associated with the tube 7 or container. 8 Q. But it's not your opinion that 9 association between two components requires 10 that the two components move, right? 11 MR. ZOVKO: Objection, form. 12 A. I say in my understanding of 13 association that there needs to be a 14 functional relationship, and in this case 15 the tube is moving, so if there is a 16 functional relationship, there needs to be 17 some type of association functionally 18 between the two, and in this case you are 19 moving the tube to expect the flare insert 20 to move, but it does not, so therefore 21 there is no functional association in any 22 type, whether it is some sort of movement 23 or contact, countermovement, or any type of 24 action or functional between the flare 25 insert and the tube or container. Page 107	1 container would result in the valve stem 2 flare moving. Never in any condition of 3 friction does the valve, I'm sorry, the 4 flare insert have any sort of reaction as a 5 result of the action of the container or 6 tube. 7 Q. If the flare insert wasn't 8 there, the valve stem flare would be pushed 9 to a different location within the cap, 10 right? 11 A. That's a good question. So 12 actually if you could mold it, you could -- 13 you actually don't need the flare insert. 14 You could just have a bump in the cap, and 15 then you would have the same type of 16 functioning device. And, again, it would 17 just be the action of the tube or container 18 would move only the valve stem flare. 19 Q. But my hypothetical that I 20 would like you to think about is this: If 21 you have the cap of the SDNA-1000 without 22 the flare insert, isn't it true that the 23 force on the valve stem flare, sorry, that 24 the force from the tube on the valve stem 25 flare would push the valve stem flare to a Page 109

28 (Pages 106 - 109)

Veritext Legal Solutions
866 299-5127

1 different position within the cap? 2 MR. ZOVKO: Objection, vague. 3 A. I don't really understand. 4 First of all, the valve stem flare won't 5 even stay in the cap, so that's why I 6 answered the question I said before. So, I 7 mean, you don't need the valve -- the flare 8 insert, you could have a ridge on the 9 inside that would function the same as the 10 flare insert, and you would still have the 11 same action/reaction of the valve stem 12 flare. 13 Q. And so when the flare insert is 14 contacted by the valve stem flare, it 15 exerts force on the valve stem flare and 16 the valve stem flare exerts force on the 17 opening of the tube? 18 A. Those are frictional forces. 19 That's why you have to put a force on the 20 tube or container in order to move the 21 valve stem flare. But you never move the 22 flare insert or have any sort of functional 23 or physical association between those two 24 parts. 25 Q. Is friction a functional Page 110	1 exerted between components and then the 2 movement between the components, and in 3 this case that association is what we're 4 looking at. 5 We're looking to see what parts 6 are associated with what part, and in 7 particular the valve and the claims are 8 talking about which portion of an annular 9 valve is actually moving or being displaced 10 such that the valve opens. So that's the 11 association we're looking for. 12 We're looking for some sort of 13 functional association or movement such 14 that the valve goes from a closed state to 15 an open state. And in this case with the 16 Spectrum device, it's the valve stem flare 17 that is functionally and physically 18 associated with the tube or container. 19 Q. And in paragraph 139 of your 20 report you do say that a conceptual 21 association can be an association; is that 22 right? 23 MR. ZOVKO: Objection, form. 24 A. The conceptual came from, I 25 believe it was Dr. Wereley or somebody. I Page 112
1 association? 2 MR. ZOVKO: Objection to form. 3 A. That's kind of a general 4 question. I think I would have to see the 5 particular application, and in this case 6 the friction is not an association, it is 7 just part of the physics of what's there. 8 Like I said, whether the 9 friction is there or not, it doesn't change 10 the association between the parts. So if 11 you make -- put lube in it or delete the 12 friction completely from the system, the 13 association between the container and the 14 tube and the valve stem flare would be the 15 same, and the flare insert would not be in 16 any way associated with the tube in either 17 case, friction or no friction. 18 Q. You don't define functional 19 association in your report, right? 20 A. I think in paragraph 139 I talk 21 about the functional association, 22 functional or conceptual association 23 between the opening of the tube and the 24 flare insert or the lack thereof, and then 25 it talks about forces that are being Page 111	1 didn't come up with that word because, 2 frankly, I'm still trying to figure out 3 either what Dr. Wereley meant by conceptual 4 association, I have never heard of that or 5 understand what that word means. 6 My understanding was that he 7 was trying to imply that it was some sort 8 of functional association, since it's 9 not -- if it doesn't require that it 10 contact, then there must be some functional 11 association. So I limit my analysis to 12 being functional or having some sort of 13 action/reaction or movement as a result of 14 movement of the tube. You move the tube, 15 the valve stem flare moves. You don't move 16 the tube, the valve stem flare doesn't 17 move. The flare insert has no reaction to 18 any action of the tube. 19 Q. How can that be when the 20 opening of the tube pushes against the 21 valve stem flare and then the valve stem 22 flare pushes on the flare insert? 23 A. Because the flare insert 24 doesn't move as a result of that. It's 25 just -- the valve stem flare and the flare Page 113

29 (Pages 110 - 113)

Veritext Legal Solutions
866 299-5127

1 insert just have a sealing frictional 2 relationship between those two parts. But 3 the tube does not have any functional 4 association with that flare insert. It 5 could be there or not even be there, 6 friction or no friction, it would not 7 change the association that exists between 8 the valve stem flare and the tube. 9 The question, and even the 10 Court has said in the claim construction, 11 is there is basically one question, the 12 tube either is associated with the inner 13 cylinder or the outer cylinder, and in this 14 case it is the inner cylinder or the valve 15 stem flare. It's not the flare insert or 16 the outer part. 17 Q. And you testified earlier that 18 the flare insert could be made integral to 19 the cap; is that right? 20 MR. ZOVKO: Objection to form. 21 A. You could do that, but you 22 can't -- you couldn't mold it. You 23 would -- that's -- my understanding of the 24 purpose of the flare insert is just 25 strictly for molding because you wouldn't Page 114	1 between the valve stem flare, which it 2 appears to be the case with the current 3 device. But the analysis is with the 4 current device, not a hypothetical device. 5 Q. So not all -- your testimony is 6 that not all of the cap is associated with 7 the opening of the tube; is that right? 8 A. Say that again. 9 Q. Is the entire cap, other than 10 the valve assembly, associated with the 11 opening of the tube? 12 MR. ZOVKO: Objection to form. 13 A. No. Only the valve stem flare 14 is associated with the opening of the tube. 15 Q. And the opening of the cap is 16 not associated with the opening of the 17 tube, is that what you're testifying to? 18 A. That's correct. On -- 19 Q. On page 6 of your report, 20 paragraph 26 -- 21 MR. ZOVKO: Were you done with 22 your answer? 23 A. No, I just want to finish my 24 answer. 25 Q. Please do. Page 116
1 need it. It doesn't move, as the annular 2 valve that is described in the '646, it is 3 a much different type of valve. You could 4 completely remove the part and mold it into 5 the cap, well, somehow mold it into the cap 6 or do a small undercut and mold it into the 7 cap and you would still have a functioning 8 device, albeit it would be a really thin 9 clearance for the liquid to seep by, but 10 you could eliminate that part. 11 Q. And in that case the cap would 12 still remain in association with the 13 opening of the tube? 14 MR. ZOVKO: Objection, form. 15 Q. If the flare insert was 16 integral to the cap, would the cap remain 17 in association with the opening of the 18 tube? 19 MR. ZOVKO: Objection, form. 20 A. No. That portion would not be 21 associated with the tube. The tube would 22 only be associated with the valve stem 23 flare and the tube and the cap would only 24 be associated where they seal and where the 25 threads are, unless the seal is just Page 115	1 A. The connection members of each 2 of the cap and the tube are associated, but 3 not the opening with the cap. And then 4 what was your next question? 5 Q. So how can it be that the 6 opening of the cap is not associated with 7 the opening of the tube when there is a 8 functional relationship between them such 9 that the reagents flow through the opening 10 of the cap to and through the opening of 11 the tube? 12 A. I'm sorry, I don't -- I don't 13 follow that at all. 14 Q. You don't know why there's not 15 association between the opening of the tube 16 and -- 17 A. You said association with the 18 opening of a cap such that it does a 19 flow -- I mean, you connected so many 20 different associations, I can't follow 21 that, and that's not the question or what 22 needs to be answered in terms of 23 interpreting the elements of the claim. 24 Q. Is the opening -- 25 A. If you can make a smaller Page 117

30 (Pages 114 - 117)

Veritext Legal Solutions
866 299-5127

1 section to that question, I could try to 2 better answer your question. 3 MR. ZOVKO: I think he is just 4 saying he didn't understand the 5 question. 6 THE WITNESS: Thank you. 7 Q. How can it be that the opening 8 of a cap is not associated with the opening 9 of the tube? 10 A. Because it doesn't contact with 11 or have any functional association between 12 the two. The valve stem flare is the only 13 thing that contacts or seals against the 14 opening of the tube. 15 Q. Would you please turn to page 6 16 of your report. Paragraph 26 of your 17 report, there is a picture of the SDNA-1000 18 device with the funnel and the tube, the 19 cap. Do you see it? 20 A. Yes. 21 Q. In this picture the funnel is 22 not attached to the tube, correct? 23 A. Correct, yeah. I took it off 24 for the picture, but as we saw from this 25 package here, the funnel comes attached to Page 118	1 Q. Can you go back to I believe it 2 is paragraph 130 of your report, excuse me, 3 paragraph 139. The last sentence in 4 paragraph 139 of your rebuttal report -- 5 A. Hang on, hang on. 6 Q. -- says that "Thus, the opening 7 of the tube does not come into contact with 8 and is not 'associated' with the flare 9 insert, under the plain and ordinary 10 meaning of 'associated with,' which 11 encompasses contact and other types of 12 associations." 13 What are the other types of 14 associations that you are referring to in 15 paragraph 139 of your rebuttal report? 16 A. Functional associations. 17 Q. And what are those 18 associations? Can you list them for us? 19 MR. ZOVKO: Objection, form. 20 A. I think as it pertains to this 21 case and these patents and these products, 22 it would be functional, be movement. Does 23 one and -- the other component move when 24 the other component is moved, and then is 25 the -- when you apply a force from one, Page 120
1 the tube or container. 2 Q. In this picture where the 3 funnel is not contacting the tube, is the 4 funnel associated with the opening of the 5 tube? 6 MR. ZOVKO: Objection, form. 7 A. I would need to look at my 8 pictures. I believe it is associated with 9 the opening. There is a little flared 10 funnel portion that goes on the inside and 11 actually even contacts that opening, and 12 there is also a threaded outer portion. 13 But that's not the opening, there is 14 actually just two walls is what I'm saying. 15 Q. In the picture in front of you, 16 in paragraph 26 of your rebuttal report, 17 the funnel and the tube aren't contacting, 18 but it's your opinion that they are still 19 in association? 20 MR. ZOVKO: Objection, form. 21 A. You are saying in the actual 22 picture are they currently associated in 23 that state? No, they're not -- they're 24 not -- they're not associated until you 25 connect them. Page 119	1 what is the part that is giving that part 2 its equal and opposite force. 3 Q. Other than those two, the 4 application of force and movement, are 5 there other types of association? 6 MR. ZOVKO: Objection, form. 7 A. There is -- there is likely 8 other types of associations, but I did not 9 form an opinion on what those others would 10 be. I need to answer that question in the 11 context of what we're talking about. There 12 could be all kinds of fluid dynamic 13 associations or all types of different 14 associations. 15 Q. In the association that you 16 describe as application of force, that 17 association can involve multiple 18 components, correct? 19 A. You could have multiple 20 components, but you would look at both the 21 force and the resulting action or movement 22 in this particular case, and so even if you 23 put a washer between the valve stem flare 24 and the tube so that there is not a direct 25 contact or direct reaction forces between Page 121

31 (Pages 118 - 121)

Veritext Legal Solutions
866 299-5127

1 the two, they still result in the action of 2 movement or displacement the same amount 3 that the other part that moved. So those 4 two parts move together. 5 Q. And if you put a washer between 6 the flare insert and the valve stem flare, 7 the flare insert and valve stem flare would 8 remain in association? 9 A. They would have a fluid-sealing 10 association, and assuming that that washer 11 was placed appropriately, then they could 12 still maintain that fluid-tight sealing 13 relationship. 14 Q. And they would also have a 15 physical relationship? 16 MR. ZOVKO: Objection, form. 17 Go ahead. 18 A. If you mean physical in the 19 sense that they would contact, if you put 20 something between them, they wouldn't have 21 that physical relationship anymore, it 22 would just be an indirect one I guess. 23 Q. Another way of saying that is 24 they would have an intermediate 25 association? Page 122	1 outside annular ring that moves or that is 2 in association with the opening of the tube 3 or container. It is a very different 4 design. 5 Q. And the answer you just gave, 6 that was relative to a particular point of 7 reference, correct? 8 A. To the cap. You are talking 9 about the cap the same way that you are 10 looking at the asserted claims, what is 11 associated with what and what moves in 12 order for that to work, including what 13 parts are fluid-tight with the other. 14 Q. When viewed from the top of the 15 cap, the flare insert is generally circular 16 in shape, correct? 17 A. Are you saying the smaller 18 diameter end of the cap? I would say it is 19 generally circular. Of course it has some 20 friction, I guess diamond-shaped features 21 on the outside of it. 22 Q. And when viewed from the top of 23 the tube, the opening of the tube is 24 circular as well? 25 A. Correct. Page 124
1 MR. ZOVKO: Objection, form. 2 A. I would have to look at what 3 that washer would look like. I mean, it is 4 a hypothetical that we don't have here. I 5 think it is pretty clear what part, I mean, 6 in this case the parts do in fact contact. 7 They do in fact move together. And those 8 two parts are the valve stem flare and the 9 opening of the tube or container, it's not 10 the flare insert, therefore it does not 11 infringe. 12 Q. The flare insert does move and 13 interact with the valve stem flare, 14 correct? 15 A. That's incorrect. 16 Q. So your testimony is there is 17 no relative motion between the flare insert 18 and the valve stem flare? 19 A. That's not what you said. You 20 said that the flare insert moves. The 21 flare insert does not move, it is the valve 22 stem flare that moves, and the cap. The 23 '646 patent talks about the annular outside 24 cylinder moving in relation to the cap. 25 The Spectrum device does not have an Page 123	1 Q. And the valve stem flare also 2 has a generally circular construction when 3 viewed from the top, right? 4 A. Which does? 5 Q. The valve stem flare. 6 A. Yes, I think either the top or 7 the bottom, it has a circular shape to it, 8 yes. 9 When you get to like a breaking 10 point for lunch -- 11 Q. Would you like a break now? We 12 can take a break. 13 A. No, I'm just saying if it is 14 between topics maybe, if you are close to 15 one, that would be great. 16 Q. I think now is actually a good 17 time. 18 A. Okay. 19 THE VIDEOGRAPHER: Off the 20 record at 12:42, marking the end of 21 media unit number two. 22 (Luncheon recess: 12:42 p.m.) 23 24 25 Page 125

32 (Pages 122 - 125)

Veritext Legal Solutions
866 299-5127

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 AFTERNOON SESSION 2 1:34 p.m. 3 KARL LEINSING, resumed. 4 THE VIDEOGRAPHER: We are on 5 the record at 13:34, marking the 6 beginning of media unit number three. 7 CONTINUED EXAMINATION 8 BY MR. HILLIER: 9 Q. Are there any mechanical 10 limitations in your opinion in the preamble 11 of claim 1 of the '646 patent? 12 A. Are you asking in terms of my 13 invalidity or my noninfringement analysis? 14 Q. Do you agree that the SDNA 15 product is a kit for collecting and 16 preserving a biological sample with respect 17 to the mechanical limitations? 18 MR. ZOVKO: Objection, form. 19 A. With respect to the mechanical 20 limitations, yes, but not the biological 21 limitations. 22 Q. And the mechanical limitations 23 you are referring to are the words "kit for 24 collecting"? 25 A. Yes, and "kit comprising." Page 126	1 report, but I believe that's correct. 2 Q. The tube of the SDNA-1000 has 3 threads at the top of the tube; is that 4 right? 5 A. It has threads in the -- on the 6 outer circumference of the top area of the 7 tube. 8 Q. So you agree that the 9 SDNA-1000's tube has a connection member 10 disposed on an exterior portion of the tube 11 and next to the opening? 12 MR. ZOVKO: Objection, form. 13 A. The threads are adjacent to the 14 opening of the tube. 15 Q. And the threads are connection 16 members? 17 MR. ZOVKO: Objection, form. 18 A. Yes. 19 Q. And the threads are on the 20 outside of the tube? 21 A. Correct. 22 Q. The SDNA-1000 has a cap, you 23 agree? 24 A. Yes. 25 Q. And do you agree that in the Page 128
1 Q. The SDNA-1000 has a sample 2 collection vessel, correct? 3 A. Yeah, in terms of the '646 4 patent claim 1, I believe that's correct, 5 yes. 6 Q. Thank you. And the SDNA-1000 7 has a sample collection reservoir with an 8 opening, correct? Withdrawn. Let me -- 9 A. Yes. 10 Q. Sorry, was your answer yes? 11 A. No, I just -- 12 MR. ZOVKO: I think he hadn't 13 answered the question. 14 Q. I apologize. I will start over 15 for a clean record. 16 And the sample collection 17 vessel in the SDNA-1000 is the tube; is 18 that right? 19 MR. ZOVKO: Objection, form. 20 A. Yes, that's correct. 21 Q. And the tube of the SDNA-1000 22 has an opening to receive a biological 23 sample from a user? 24 MR. ZOVKO: Objection, form. 25 A. I didn't do that analysis in my Page 127	1 context of the '646 patent, the SDNA-1000's 2 cap has a reagent chamber configured to 3 store a reagent? 4 MR. ZOVKO: Objection, form. 5 A. Can you repeat that one, 6 please? 7 Q. The SDNA-1000 has a cap with a 8 reagent chamber configured to store a 9 reagent, correct? 10 MR. ZOVKO: Objection, form. 11 A. Correct. 12 Q. And the cap of the SDNA-1000 13 has a complementary connection member 14 configured to engage the connection member 15 of the sample collection vessel, right? 16 MR. ZOVKO: Objection, form. 17 A. I didn't do that analysis in my 18 report, but I think that's correct. 19 Q. And that's because the inside 20 of the cap has threads that connect to the 21 threads on the tube, right? 22 MR. ZOVKO: Same objection. 23 A. They appear to make that 24 connection, yes. But, again, I didn't do 25 that analysis to determine what the thread Page 129

33 (Pages 126 - 129)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 33
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 33 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 sizes were or compatibility with each 2 other. 3 Q. But you have screwed the cap of 4 the SDNA-1000 on to the tube? 5 A. Yes, I have. 6 Q. Do you agree that the SDNA-1000 7 has a movable annular valve? 8 MR. ZOVKO: Objection, form. 9 A. No, I do not, not in the way 10 the '646 defines a movable annular valve. 11 Q. Do you know what the Court's 12 definition of annular valve is in this 13 case? 14 A. The Court's claim construction 15 is ring-shaped valve. 16 Q. Does the SDNA-1000 contain a 17 ring-shaped valve? 18 A. No. 19 Q. What's the basis for your 20 opinion that the SDNA-1000 does not contain 21 a ring-shaped valve? 22 A. Well, because the ring portion 23 of the valve does not move. 24 Q. And when you say ring portion 25 of the valve, are you referring to the Page 130	1 Q. Do you have anything more to 2 answer that question? So let me just 3 withdraw that. 4 So I'm asking you just to look 5 at the Court's construction of annular 6 valve, which is a ring-shaped valve. The 7 flare insert is ring-shaped and it is part 8 of the valve; is that right? 9 A. As the '646 describes it, yes. 10 In the Spectrum device, I would consider it 11 more of a spool type valve where you are 12 moving a spool, which is why later we run 13 into issues with the rest of the claim. 14 Q. Does the flare insert 15 accommodate at least a portion of the valve 16 stem flare? 17 MR. ZOVKO: Objection, form. 18 A. I don't understand what you 19 mean by "accommodate." 20 Q. What does the word 21 "accommodate" mean in the field of -- 22 withdrawn. 23 Does the valve stem flare go 24 inside of the flare insert in the 25 SDNA-1000? Page 132
1 valve flare or are you referring to the 2 flare insert? 3 A. Well, that's -- that's the 4 question, that the flare insert does not 5 fall within the limitations of claim 1, 6 because it does not have the same function 7 as the movable annular valve as described 8 by the '646. 9 Q. Is the flare insert 10 ring-shaped? 11 A. Yes, but as I mentioned before, 12 it could be integrally molded as part of 13 the cap. 14 Q. In the SDNA-1000, the flare 15 insert is not integrally molded into the 16 cap, is it? 17 A. No, and it's also not 18 associated with the opening of the tube, so 19 it begins to fail the requirements of being 20 a movable annular valve, as described by 21 the '646. 22 Q. So you are referring -- 23 MR. ZOVKO: Mr. Hillier, let 24 him finish his answers. I think you 25 cut him off at the end there again. Page 131	1 A. Yes. But it is the valve stem 2 flare that moves and not the flare insert. 3 Q. And that's relative to the cap? 4 A. Relative to the cap, and then 5 it becomes relative to the other elements 6 of the claim, which is why it doesn't meet 7 those elements either. 8 Q. And when the cap is screwed on 9 to the SDNA-1000, the flare insert does 10 move relative to the tube, correct, in that 11 it approaches the tube? 12 MR. ZOVKO: Objection, form. 13 A. Well, the entire cap would move 14 in relation to the tube and every one of 15 its components, but as soon as the -- as 16 the tube comes in contact with the flare 17 insert, it moves with the tube. 18 Q. And the inner side wall of the 19 SDNA -- withdrawn. 20 The SDNA-1000 -- let me 21 withdraw that too. 22 Going back to the valve stem 23 flare, the valve stem flare of the 24 SDNA-1000 is a single piece, correct? 25 A. Correct, as identified, that's Page 133

34 (Pages 130 - 133)

Veritext Legal Solutions
866 299-5127

1 correct. 2 Q. And I think you testified 3 earlier that the valve stem flare can go 4 inside the flare insert. Do you agree -- 5 let me just withdraw that last question. 6 Do you agree that the patent, 7 the '646 patent, does not use the word 8 "proximate"? 9 MR. ZOVKO: Objection, vague. 10 A. I don't recall. I don't think 11 it does. But if you want to stipulate that 12 it doesn't, I will take your word for it. 13 I think when I talked about proximate and 14 distal, I defined that, and then used the 15 word "proximate" with that understanding in 16 my report. 17 Q. The '646 patent doesn't say 18 that the donor is the point of reference as 19 to whether a component part is distal, 20 correct? 21 A. The patent explains the valve 22 and how the annular valve works in the 23 '646, and I talk about distal and proximal 24 in my report, and it is well understood by 25 a person of skill in the art in the medical Page 134	1 A. If -- 2 Q. Withdrawn. 3 A. Yeah, I don't understand it. 4 Q. If the proximal portion of the 5 inner cylinder moves in the SDNA-1000, then 6 the distal portion is also going to move, 7 right? 8 MR. ZOVKO: Objection, form. 9 A. In terms of the valve stem -- 10 valve stem flare, that's correct. I mean, 11 the whole part moves, so both the distal 12 and proximal portion of that inner cylinder 13 moves. But the vents and everything and 14 the way it operates is different than the 15 '646. 16 Q. Not every ring-shaped valve has 17 threads, correct? 18 A. I think that's correct. In 19 fact, I don't know of a ring-shaped valve 20 with threads that would actually work. 21 Q. And claim 1 of the '646 patent 22 does not require threaded fluid-tight 23 association? 24 A. Can you say that one again? 25 Q. You have read claim 1 of the Page 136
1 field that proximal is understood to be the 2 portion that is closest to the user, and I 3 define that, and I think there is 4 explanation as to the understanding of 5 distal, particularly in claim 13 when you 6 look at the embodiments and the description 7 of the patent to understand how the 8 ring-shaped valve or annular valve 9 operates. 10 Q. You agree that distal is a 11 relative term, correct? 12 A. I'm not quite sure what you 13 mean by "relative." It is just the two 14 ends of something, or we often use the 15 terms "distal" and "proximal" when we are 16 referring to different ends of a medical 17 device. 18 Q. Claim 12 of the '646 patent 19 uses the phrase "distal portion," correct? 20 A. Correct. 21 Q. And as -- withdrawn. 22 As either portion of the inner 23 cylinder moves in the SDNA-1000, does the 24 other portion also move? 25 MR. ZOVKO: Objection, form. Page 135	1 '646 patent today already. Does claim 1 of 2 the '646 patent recite a threaded 3 fluid-tight association? 4 MR. ZOVKO: Objection, vague. 5 A. No. But a person of skill in 6 the art would understand that claim 1 is to 7 cover a threaded -- include a threaded 8 tight fluid connection which is not 9 enabled, meaning that the full scope of 10 claim 1 then would therefore be enabled. 11 Q. And claim 1 of the '646 patent 12 doesn't recite a smooth and easy rotation, 13 correct? 14 A. It doesn't use those words 15 expressly, but a person of skill in the art 16 would understand that a user with their 17 bear hands would need to be able to screw 18 on the cap with reasonable effort. 19 Q. And you were able to screw on 20 the cap of the SDNA-1000 with reasonable 21 effort? 22 A. Yes, and as we've looked at the 23 pictures, we will note that the Spectrum 24 devices don't have threads. 25 Q. Just to clarify, the Spectrum Page 137

35 (Pages 134 - 137)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 35
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 35 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 device doesn't have threads on the valve 2 component; is that your testimony? 3 A. Yes, that's correct. It 4 doesn't have threads on the -- between the 5 valve stem flare and the flare insert. 6 Q. And you are not referring to 7 the valve in between the cap and the tube, 8 the connecting members we discussed 9 earlier? 10 MR. ZOVKO: Objection, form. 11 A. Actually, I would actually 12 include that as well. The threads on the 13 connection member between the cap and the 14 sample collection reservoir also don't form 15 a fluid-tight connection, nor do any of the 16 prior art that Dr. Wesley cites in his 17 rebuttal report or any of the examples I 18 gave in my report or his examples of 19 household objects. 20 Q. So it's your testimony that the 21 cap of the SDNA-1000, when screwed on to 22 the tube, is not fluid-tight? 23 A. It is fluid-tight, but it is 24 not the threads that forms that fluid-tight 25 connection. Page 138	1 A. I would have to see the valve. 2 I'm not quite sure exactly what you mean. 3 Q. Well, some valves have a round 4 ring and ball inside the ring, right? 5 A. Yes. 6 Q. And that's what I'm referring 7 to as a ball and socket valve. 8 A. Yes. I'm just not sure what 9 I'm thinking of is what you're thinking of. 10 Q. Your report mentions an IVAC 11 machine. Is it your testimony that you 12 tested an IVAC pump to prepare your 13 opinions in this case? 14 MR. ZOVKO: Objection, form. 15 A. No, I did not test a pump for 16 my opinions in this case. I recollected a 17 project I had when I worked at IVAC in 18 developing a valve that could turn and move 19 but yet seal with very little friction or 20 turning force. 21 Q. That wasn't an annular valve 22 that you tested at IVAC? 23 A. No, it was more like a 24 spool-type valve. That's a stopcock valve, 25 as a person of skill in the art would Page 140
1 Q. It was possible in 2011 to make 2 an annular valve without threads, correct? 3 A. Yes, but not an annular valve 4 with threads. 5 Q. And what's the basis of your 6 opinion that it wasn't possible around 2011 7 to make an annular valve with threads? 8 A. Well, I haven't found one. 9 Dr. Wesley hasn't found one. And in order 10 to get the valve to operate the way the 11 '646 describes, I don't see how you would 12 do that, or at least not without undue 13 experimentation. 14 MR. ZOVKO: Dr. Wereley. 15 THE WITNESS: Oh, Wereley, I'm 16 sorry. Sorry, Doctor. 17 Q. Have you ever seen a ball and 18 socket joint, I'm sorry, a ball and socket 19 type valve with threads that is 20 fluid-tight? 21 A. Yes, many times, and the 22 surfaces that create that fluid-tight 23 connection is not the threads. 24 Q. And a ball and socket type 25 valve is also an annular valve, right? Page 139	1 understand it. 2 Q. And you worked for IVAC back in 3 the mid 1990s; is that right? 4 A. From 1992 to 2002. 5 Q. Before 2011? 6 A. Correct. But the same 7 challenges would occur today, and 8 Dr. Wereley had the opportunity to find 9 something in the prior art to prove me 10 wrong and he has not found that valve, 11 either medical or otherwise, where there is 12 threads between the ring and the valve 13 portion. 14 Q. So you believe -- the standards 15 you are applying in your analysis is that 16 Genotek's expert, Dr. Wereley, has to prove 17 you wrong about whether the '646 patent is 18 enabled? 19 MR. ZOVKO: Objection, form. 20 A. Well, I presented the 21 affirmative that it would be difficult in 22 lack of enablement and I gave examples why 23 in my own personal experience with working 24 with medical devices nearly 30 years, and 25 then at that point he had a chance to Page 141

36 (Pages 138 - 141)

Veritext Legal Solutions
866 299-5127

1 respond in his rebuttal report, and instead 2 of bringing up medical valves, he brought 3 up a garden hose, which in fact requires a 4 rubber washer and does not seal in the 5 threads. 6 Q. Let's talk about the art that 7 you relied on for whether there was a 8 fluid-tight association. 9 (Leinsing Exhibit 11 marked for 10 identification.) 11 Q. You relied on U.S. Patent 12 Publication Number 2003/0025327 in forming 13 your opinions about the nonenablement of 14 the '646 patent; is that right? 15 A. That's correct, yes. 16 Q. And you have just been handed 17 what is Exhibit 11, which is that 18 publication, correct? 19 A. Correct. 20 Q. You understand that this is a 21 publication directed to threaded 22 connections for joining sections of tubing, 23 casing and line pipe in oil drilling, among 24 other applications? 25 A. Yes, I understand that. Page 142	1 difficult, if not impossible to do. 2 Q. But your opinion is not that it 3 is impossible, right, just that it is 4 difficult? 5 MR. ZOVKO: Objection, form. 6 A. I would say it's impossible 7 from a practical standpoint when you have 8 to consider cost, the tolerancing, the 9 ability for it to function, or I would say 10 at least it would require undue 11 experimentation as this patent publication 12 supports that it is just not an easy thing 13 to do for a valve, to have a threaded 14 interface between the annular ring and the 15 inside cylinder. 16 Q. Do you know what the ambient 17 pressure is -- withdrawn. 18 Do you know what typical 19 hemispheric pressure is? 20 A. Yes, roughly. 21 Q. It is about 15 PSI, correct? 22 A. Approximately. It depends on 23 the day. 24 Q. But it is certainly not 25 anywhere near 4,000 PSI? Page 144
1 Q. And the '327 publication sought 2 to prevent threads from leaking when there 3 was a pressure difference of 4,000 to 5,000 4 PSI; is that right? 5 A. I believe that's what that 6 patent talks about, but I was referring to 7 the background sections of the patent. 8 Q. And this patent is -- this 9 patent publication was filed in August of 10 2001, correct? 11 A. Correct. 12 Q. And it wasn't published until 13 February of 2003? 14 A. Correct. 15 Q. And that's about the same time 16 that you stopped working at IVAC, right? 17 A. Correct. I looked for valves, 18 an annular type valve that would have 19 threads that would work, and I didn't find 20 anything, so I looked for then areas that 21 would support my opinions that creating 22 seals between two threads, especially 23 something that must operate and move, is a 24 very difficult task, and this patent just 25 showed in general that that is very Page 143	1 A. No, and it is interesting you 2 bring that up, because I invented a valve, 3 the SmartSite needle-free valve, and higher 4 pressures are actually easier to seal 5 because the higher pressures force the 6 valve actually closed and actually help you 7 in many cases, especially medical devices, 8 that we are talking about, and low 9 pressures are the ones that are hard to 10 seal against. 11 Q. Well, you are referring to 12 external pressure to the valve, right? 13 A. No, I'm referring to internal, 14 because the fluids are inside the valve 15 when you are either pumping drugs or 16 aspirating, and the valve can't leak, so 17 there would be internal. 18 Q. If you are trying to keep a 19 fluid within a reagent compartment, between 20 the reagent compartment and the exterior is 21 a valve, a higher external pressure would 22 help to keep the reagents within the 23 compartment, right? 24 MR. ZOVKO: Objection, form, 25 incomplete hypothetical. Page 145

37 (Pages 142 - 145)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 37
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 37 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 A. Not necessarily, because the 2 higher external pressure would want to 3 breach the seal and then create equilibrium 4 and then pushing in that air and pushing 5 out the reagent. 6 Q. And it is also important to 7 consider the differences in relative 8 pressure between the inside and outside of 9 a container when considering leakage, 10 right? 11 A. I can't say in the 30 years I 12 have been doing medical devices that I ever 13 considered atmospheric pressure. That 14 would be what we call PSIA, or absolute 15 pressure. We always check for PSIG, which 16 is pounds per square inch gauge pressure. 17 So it takes out the absolute or the 18 atmospheric pressure out of the test. I 19 have never tested for or considered 20 absolute in all of the medical devices, 21 including those covered in the 39 patents 22 that I have. 23 Q. And you didn't check PSIG in 24 forming your opinions in this case? 25 A. No, I didn't check any actual Page 146	1 mentioned in my report. 2 Q. And you haven't prepared any 3 tests of the Blue Strength threadlock in an 4 annular valve? 5 A. I did not perform any tests. I 6 think it is pretty obvious that anybody who 7 has put threadlock or something on threads 8 before knows that it is going to gunk up 9 things that you don't want to get gunked 10 up, and that would not be a good idea. 11 Q. And you didn't try to make an 12 annular valve with threads in forming your 13 opinions? 14 A. I did not try to make one, but 15 I did look for one that would exist in the 16 prior art. I'm sure Dr. Wereley looked as 17 well and counsel for Genotek, and nobody 18 has produced a medical one, never mind a 19 non-medical one that has threads and 20 operates. 21 Q. Do you think Spectrum's 22 attorneys also looked for a threaded 23 device? 24 MR. ZOVKO: Objection, form, 25 speculation. Page 148
1 pressures, because I didn't need to. The 2 challenge is still there, and in fact, like 3 I said, the lower pressures are harder to 4 do, and when you have -- even the regular 5 low pressures of an annular valve in the 6 atmosphere is changing back and forth or 7 creating any little pressures, you don't -- 8 there is not enough pressure to actually 9 help the valve seal. So those lower 10 pressures are -- become more of a challenge 11 than higher pressures. 12 Even the 15 PSI I think that 13 Dr. Wereley mentioned in the IV pump that I 14 used, that 15 PSI pressure is actually a 15 lot easier to seal with -- than the 16 lower -- than the lower pressures, 17 depending on the valve of course. 18 Q. You didn't consider how Blue 19 Strength threadlock could keep a threaded 20 connection from loosening, did you? 21 A. I believe I did mention some 22 thread locking things that were mentioned 23 in other parts of the spec, but that that 24 wouldn't be possible to use in an annular 25 valve with threads for the reasons I Page 147	1 A. I think they probably did. I 2 don't recall if they did exactly. 3 Q. You didn't consider the 4 deposition transcripts of either inventor 5 of the '646 patent, did you? You can find 6 your list of materials considered in 7 Appendix B of your invalidity report. 8 A. That's right where I was going 9 to go look. I did not consider the 10 deposition transcripts in my opening 11 report. I don't think it would be relevant 12 to talk to the inventors. I want to give 13 my independent review of the patent in view 14 of the prior art. 15 Q. Do you know about a company 16 called AboGen? 17 A. Yes. 18 Q. What do you know about AboGen? 19 A. I just know they are a medical 20 device company. I don't know all the 21 products that they manufacture or their 22 amount of sales or anything like that. 23 Q. And you know that the inventors 24 of the '646 patent were connected with 25 AboGen? Page 149

38 (Pages 146 - 149)

Veritext Legal Solutions
866 299-5127

1 A. I don't see that that's 2 relevant. I'm not sure I knew or didn't 3 know. I don't see it is relevant. I mean, 4 one of my greatest inventions of all time 5 has received many awards. I worked for a 6 knitting company before I did that and yet 7 I came up with some of the greatest medical 8 devices in the world. 9 Q. You came up with some of the 10 greatest medical devices in the world? 11 A. Yes. 12 Q. Can you list them? 13 A. Yes, the second patent that I'm 14 a listed inventor on is the SmartSite 15 needle-free valve. It is the second patent 16 that I'm a named inventor on, the sole 17 inventor on, and everybody in this room 18 likely if, God forbid, they ever end up in 19 a hospital will be connected to my 20 needle-free valve which has sold upwards of 21 500 to 700 million of those a year 22 worldwide. They save around, I think last 23 time, 800 lives a year from needlestick 24 injuries. That's the valve that I spoke 25 about when it talks about leaking. That Page 150	1 publicly disclosed some prior art that I 2 should have considered? 3 Q. My question is you didn't 4 consider, right, that Stephen Andrews, the 5 inventor of the '646 patent, testified that 6 they had a pre-commercial iteration of a 7 threaded annular valve, did you? 8 MR. ZOVKO: Objection, form, 9 foundation. 10 A. I don't see how that's 11 relevant. But to the extent you are 12 mentioning that there was some sort of 13 valve that he developed and was similar to 14 the patent and then he knowingly either did 15 or didn't cite it in the cited references, 16 then I would like to be aware of that and I 17 can -- I can change my opinions on my 18 invalidity if that's a fact. 19 Q. Just to make sure I understand, 20 you didn't consider that fact though? 21 MR. ZOVKO: Same objections. 22 A. Same answer. 23 Q. Okay. Could you please turn to 24 the page ending in DNAG_SPEC00092437. 25 Do you see how it says Sample Page 152
1 was within two years of working at a 2 medical device company. Prior to that I 3 worked for a textile company. 4 Q. So nobody told you about AboGen 5 and its connection to this lawsuit? 6 A. I read that in your motion for 7 summary judgment response and I found the 8 mention of it irrelevant. I don't think it 9 matters what the background is of the 10 inventors. I don't see how it's relevant. 11 Q. I'm going to mark this next 12 document as 12. It has Bates number 13 DNAG_SPEC00092433. 14 (Leinsing Exhibit 12 marked for 15 identification.) 16 Q. This was also Exhibit 30 in the 17 deposition of Stephen Andrews, one of the 18 named inventors of the '646 patent. 19 You didn't consider that 20 Stephen Andrews testified that they had a 21 pre-commercial iteration of a threaded 22 annular valve, did you? 23 MR. ZOVKO: Objection, form, 24 foundation. 25 A. Are you saying that they Page 151	1 Collection Device, and there are two images 2 above it, a tube and cap image, and a cap 3 cavity, closed/open cavity? 4 A. Yes, I see that. 5 Q. And do you see that there is a 6 square in the middle of the threads? 7 A. Yes, I see that. 8 Q. Will you please turn -- 9 A. I don't see any evidence of 10 showing that it works as an annular valve 11 and holds a fluid-tight seal. 12 Q. Please turn to -- actually, you 13 can stay on that page, that's fine. Is 14 this something that you would have liked to 15 have considered or known about before 16 submitting your report in this case? 17 A. Well, to the extent it would 18 rebut my enablement arguments or 19 determinations from reviewing the '646 20 patent, then I would like to. I would 21 think Dr. Wereley would have mentioned 22 this. I did not see it in his report. But 23 it also -- I can see probably why because 24 it doesn't really demonstrate -- I should 25 say really it does not demonstrate any Page 153

39 (Pages 150 - 153)

Veritext Legal Solutions
866 299-5127

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 fluid-tight abilities of an annular valve 2 with inner threads. 3 Q. And you have looked at this 4 document for about 30 seconds and formed 5 that opinion? 6 A. It doesn't take long to look at 7 one page to show it doesn't have any test 8 data or anything, and I'm sure if I am 9 wrong you will point it out to me. 10 Q. Please turn to page 92452, and 11 actually the next page, 92453. Do you see 12 an image depicting a tube and a cap? It is 13 a black and white photograph. 14 A. Not really. I will let the 15 camera see, this is the image I'm looking 16 at, and I can't really -- it looks like it 17 is pointing to some sort of cap and tube, 18 but that's the extent that I can see. 19 Q. And at the top it says AboGen 20 Device; is that right? 21 A. AboGen, yes. 22 Q. Would you please turn to the 23 next page ending in 92454. 24 A. Okay. 25 Q. And above it, it says "Step 1 - Page 154	1 Q. Can you please turn to the 2 number ending in 92459. Do you see where 3 it says Design Direction, at the top, and 4 Freedom to Operate? 5 A. Yes, I see that. 6 Q. It says that there is an 7 exclusive use of twisting action for 8 preservation solution release; is that 9 right? 10 A. I'm not sure what it is 11 referring to, but that's what that says. 12 Q. You can put that one away, 13 please. 14 You are not offering an opinion 15 about the priority date of the '187 patent; 16 is that right? 17 A. I think I stated in my report 18 that the priority date I used was June 7th, 19 2002 and wasn't offering any other opinion 20 beyond that. I don't recall it being an 21 issue in this case. 22 Q. June 7th? 23 A. I'm sorry, isn't that what I 24 said? I meant June 7th, 2002. 25 Q. Or June 1st? Page 156
1 deposit saliva into tube"; is that right? 2 A. Yes, that's correct. If you 3 look at the picture too, you can see that 4 the person's hand is right around it, it is 5 a pretty good-sized tube, to deposit 6 saliva. 7 Q. And the hands are wearing what 8 look to be like rubber gloves, right? 9 A. Yes, it looks like they are 10 wearing rubber gloves. That wouldn't be a 11 bad idea if they are handling something 12 that could be caustic or a contamination 13 issue. 14 Q. You wore rubber gloves in your 15 video that we looked at earlier today, 16 right? 17 A. Yes, I do that in my videos. 18 Q. Please look at the next page 19 ending in 92455. 20 A. Okay. 21 Q. It says "Step 2 - close the 22 cap"; is that right? 23 A. That's correct, that's what it 24 says. And you can see again in the image 25 that the cap and the tube are quite large. Page 155	1 A. I meant June 7th, if I didn't 2 say that. 3 Q. And you are not offering an 4 opinion about the priority date of the '646 5 patent; is that right? 6 A. To be clear, these are the 7 priority dates that I just used in my 8 report. Whether they are legally correct 9 is a legal question, but in terms of my 10 prior art search, that's what I used. And 11 so for the '646 I used the -- I believe it 12 is the February 14th, 2012 date. But let 13 me check. 14 (Witness perusing document.) 15 A. If you can help me find those 16 dates, I would appreciate it. I know I 17 wrote it in here somewhere. 18 Q. I think if you look at 19 paragraph 29. 20 A. Yes, so there I'm going by the 21 filing date, which is 2011, and then there 22 should be a date that I used for the '187. 23 Q. Thank you. 24 A. Somewhere. 25 Q. You've not designed a saliva Page 157

40 (Pages 154 - 157)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 40
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 40 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 collection device, correct? 2 A. No, I have not. But I have 3 designed many other medical device 4 disposable devices or container-type 5 devices, syringes, vial adapters, and 6 solution bags. 7 Q. You haven't written a 8 publication about saliva collection 9 devices? 10 A. No, I have not. But I did 11 write a thesis on the polymers used in 12 medical devices and how you would select 13 different polymers for such a device or for 14 just medical devices in general, especially 15 if you are concerned about reactions with 16 drug constituents. 17 Q. You understand that the 18 selection of particular polymers is not an 19 infringement or invalidity issue in this 20 case? 21 A. I don't think we've made an 22 issue other than to the extent that we have 23 discussed it a little bit in the enablement 24 of the '646, that there is no teachings on 25 the materials to make such a threaded Page 158	1 such opinions. If there is added 2 information that I would need to know about 3 that would change my opinions, that I would 4 reserve the right to respond to that. 5 Q. Did you ask for Spectrum's 6 other expert opinions to form your own? 7 A. Yes, to the extent it was 8 related to my analysis and I was given 9 that, namely Dr. Puglisi's reports and the 10 opposing experts' reports. 11 Q. And Dr. Puglisi's contribution 12 was to the preservation aspects and the 13 chemistry aspects of the patents; is that 14 right? 15 A. The biology, chemistry, and 16 cellular preservation, all those aspects as 17 he outlines in his report. 18 Q. And you would have wanted to 19 review Dr. Fischetti's reports if they 20 covered the same or similar topics as 21 Dr. Puglisi; is that right? 22 MR. ZOVKO: Objection, form, 23 foundation. 24 A. I don't recall being aware that 25 he was writing a report. If it relates to Page 160
1 annular valve work. 2 Q. Do you know who Dr. Vincent 3 Fischetti is? 4 A. I know he is an inventor on one 5 of my pieces of prior art. 6 Q. Have you ever spoken to 7 Dr. Fischetti? 8 A. No, I don't think so. 9 Q. Have you ever been in a 10 conversation with others where 11 Dr. Fischetti was also there? 12 A. Not that I can recall, no. 13 Q. Do you know that Dr. Fischetti 14 is offering opinions in this case? 15 MR. ZOVKO: Objection, form, 16 vague. 17 A. I'm not sure I was aware of 18 that or not. I don't think I was aware of 19 that. 20 Q. And you weren't aware that 21 Dr. Fischetti is also offering opinions 22 about the '646 patent? 23 MR. ZOVKO: Objection, form, 24 foundation. 25 A. I don't believe I have reviewed Page 159	1 anything I'm talking about and his 2 discussions are going to be part of this 3 case, I don't know whether he is going to 4 be -- it sounds like whether he would be a 5 fact witness or an expert witness. But I 6 don't recall I reviewed any kind of report 7 that he wrote. 8 Q. If Dr. Fischetti were a fact or 9 expert witness, would you have wanted to 10 review his testimony? 11 MR. ZOVKO: Objection, form. 12 A. If he was going to be an expert 13 and it would impact my mechanical aspects 14 of the patent or it would impact 15 Dr. Puglisi's opinions, then I would think 16 I would want to review it. I'm not sure 17 how that would be allowed or relevant or 18 proper. 19 (Leinsing Exhibit 13 marked for 20 identification.) 21 Q. You have just been handed 22 Exhibit 13. This is U.S. Patent No. 23 5,643,767. Do you recognize this document? 24 A. Yes. 25 Q. This is the patent that you Page 161

41 (Pages 158 - 161)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 41
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 41 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 called Fischetti in your opening report, 2 correct? 3 A. Yes, and I'm assuming this is 4 the same Vincent Fischetti you were talking 5 about earlier? 6 Q. It is. 7 A. Okay. I just want to make sure 8 it is the same person. 9 Q. Do you agree that a container 10 that has a very small total volume of 2 11 milliliters can receive a saliva sample 12 from the mouth of a user? 13 A. Can you repeat that, please? 14 Q. Could there -- withdrawn. 15 In your expert -- in your 16 opinion, could you have a saliva collection 17 vessel with a total volume of 1.5 to 2.5 18 milliliters that could accept a sample from 19 the mouth of a user? 20 MR. ZOVKO: Objection, form. 21 A. Are you reading that 1.5 or 2.5 22 I believe somewhere here? 23 Q. No, I'm just asking. 24 MR. ZOVKO: Same objection. 25 Q. So I will say it again. Do you Page 162	1 discloses limitation 1(b) of claim 1 -- 2 A. Can you -- can you give me a 3 second? You said paragraph 267? 4 Q. Uh-huh. So in paragraphs 267 5 through 270, you contend that Fischetti 6 discloses a reagent compartment having a 7 barrier, said barrier sealing and 8 containing reagents in said reagent 9 compartment and capable of disestablishment 10 to release said reagents into the sample 11 receiving area; is that right? 12 A. That sounds correct, yes. 13 Q. And is this your complete 14 opinion about the infringement of 15 limitation 1(b) contained in paragraphs 267 16 through 270? 17 MR. ZOVKO: Objection, vague. 18 I think you misspoke and said 19 infringement. 20 MR. HILLIER: Thank you. 21 Q. And is this your complete 22 opinion about invalidity with respect to 23 the limitation 1(b) contained in paragraphs 24 267 through 270 with respect to Fischetti's 25 disclosures? Page 164
1 agree that a container that has a very 2 small total volume of 2 milliliters can 3 receive a saliva sample from the mouth of a 4 user? 5 MR. ZOVKO: Objection, form. 6 A. I think it would depend on the 7 shape of the container or tube and the size 8 of the opening. 9 Q. What size opening -- withdrawn. 10 You agree that Fischetti, the 11 reference, does not disclose a marking on 12 one or more walls of the containment 13 vessel? 14 A. Yeah, I don't think Fischetti 15 expressly discloses that, but to a person 16 of skill in the art, especially a medical 17 device, that is inherently known and pretty 18 obvious to do if you care about the volume 19 inside the device, and also known in the 20 prior art that I mentioned and combined 21 with Fischetti, in case it is not 22 inherently known to put markings on 23 something, especially a medical device. 24 Q. In paragraph 267 of your 25 opening report you contend that Fischetti Page 163	1 A. Yes, in addition to the 2 opinions regarding the location of said 3 reagent compartment and in addition to 4 other topics that talk about the terms 5 within this element and whatever we discuss 6 today. 7 Q. And with respect to Fischetti, 8 what is your opinion about where the 9 reagent compartment is? 10 A. The reagent compartment is in 11 the container portion of the device, which 12 does not include the cap. 13 Q. Fischetti discloses -- you say 14 that Fischetti discloses a friable seal. 15 Am I pronouncing that right? 16 A. Friable or frangible. I like 17 frangible better, but I put friable in the 18 report. 19 Q. Are friable and frangible 20 synonyms? 21 A. I think for the context of at 22 least this patent, I would say they are. I 23 think Fischetti uses the word "friable," 24 that's why I quoted it. 25 Q. Do you have an opinion about Page 165

42 (Pages 162 - 165)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 42
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 42 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 how high the friable seal needs to be in 2 Fischetti for it to function? 3 A. I think Fischetti talks about 4 some different heights in the specification 5 based on how you would want to break that 6 seal and depending on how much of the 7 sample you want to collect. 8 A person of skill in the art 9 would understand that you could move that 10 barrier up or down to balance what you 11 would want to take and then you would just 12 make the -- if it was a larger volume, you 13 would need to make the pointed member or 14 even a blunted member larger on the cap to 15 break that seal or you could just use the 16 rigid, I forget the word he used, pebbles 17 or particles to break the seal. 18 He talks, in the specification, 19 he talks about halfway, and then when you 20 look at the figures, it looks more 21 three-quarters of the way. So it is pretty 22 open and a person of skill in the art would 23 understand that could be in different 24 locations that suits your application. 25 Q. Can it be fixed at the top of Page 166	1 in place, thereby pinching the barrier and 2 then squeezing it enough that it basically 3 cuts it around the ring or by a protrusion 4 coming down from the cover. I think they 5 called it a pointed member. 6 Q. For it to work just by screwing 7 on the cap without a piercing member, the 8 seal would have to be high up, wouldn't it, 9 near the very top, if not at the top? 10 A. I think it depends. A person 11 of skill in the art would understand you 12 could put, I think the term that is often 13 used is "ram," up into the cap or put some 14 sort of lip in there, and then the barrier 15 could be slightly below the very top of the 16 container, which does not include the cap. 17 Q. But you agree if the barrier is 18 fixed at the very top, there wouldn't be 19 room to deposit a biological sample? 20 A. Yeah, that wouldn't make sense 21 to a person of skill in the art, so I don't 22 think that's what the patent is intending 23 to communicate. You would have some height 24 below that where you would collect some 25 specimen sample. Page 168
1 the holder? 2 A. I mean, you could fix it at the 3 top, the very top of the holder, or at the 4 container that doesn't include the cap. 5 But that wouldn't make sense if you are 6 trying to collect saliva and then mix it 7 with it, because there wouldn't be a 8 portion to hold the saliva. So you 9 would -- I think when the term "top" is 10 used, it is used meaning at the top portion 11 of it or at least an area that's above the 12 midpoint of the container. 13 Q. And if you have the seal lower, 14 you would need to have a longer puncturing 15 member; is that right? 16 A. That would make sense, and a 17 person of skill in the art would understand 18 how to do that. 19 Q. Is it your opinion in paragraph 20 268 that the friable seal is capable of 21 disestablishment through the use of 22 particles in the container? 23 A. Yes, that's one embodiment that 24 you could use particles or you could just 25 use the cap itself by screwing it tightly Page 167	1 Q. So going back to the 2 disestablishment with the use of particles, 3 how does that work, you shake the container 4 after the cap is on to make the beads break 5 the seal? 6 A. That's a pretty good 7 explanation, yes. 8 Q. Are you familiar with -- 9 actually, if you turn, please, to paragraph 10 343 of your report 11 A. Okay. 12 Q. Do you contend that -- does 13 Clarke disclose that upon sealably closing 14 said opening with said sealing cap the 15 barrier displaces? 16 A. Do you have a copy of the 17 Clarke reference? 18 Q. I do. 19 A. I have a picture of Jensen, but 20 not Clarke here. 21 Q. So you are about to be handed 22 Jensen, which will be Exhibit 14. This is 23 a 1956 patent, 2,773,591. 24 (Leinsing Exhibit 14 marked for 25 identification.) Page 169

43 (Pages 166 - 169)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 43
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 43 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 A. It's an old one. 2 Q. Does Jensen teach that upon 3 sealably closing said opening with said 4 seal cap the barrier displaces? 5 Let me direct you a little more 6 closely. Could you please turn to column 7 3, starting at line 10 and read that 8 through line 31. 9 A. Out loud? 10 Q. No, to yourself, and let me 11 know when you've finished. 12 (Witness perusing document.) 13 A. Okay. 14 Q. You agree that Jensen discloses 15 a cap with an arch, correct? 16 A. Yes, that's correct. 17 Q. Would you agree that Jensen 18 discloses that the barrier is displaced by 19 pushing down on the arch which forces the 20 plunger to displace the barrier, correct? 21 A. That's correct. 22 Q. And Jensen does not teach 23 screwing on a cap and simultaneously 24 displacing a barrier, correct? 25 A. No, the connection method here, Page 170	1 longer and it would accomplish that. 2 Q. But then you wouldn't have the 3 need to push down the arch, you could just 4 attach the cap? 5 A. Yeah, which is the motivation 6 to eliminate that step. So a person of 7 skill in the art would then be motivated to 8 just make it longer to be sure of 9 preventing that mistake from happening of 10 somebody putting a sample in there of 11 saliva and then forgetting to push the 12 button. If I was merely putting the cap 13 on, they would automatically break that 14 barrier. 15 Q. And so you said is eliminate 16 the step, so it is a two-step process, put 17 the cap on, push down the arch? 18 A. That's what Jensen talks about. 19 But as I said, a person of skill in the art 20 would understand, you could make that rod 21 any length, and I thought there might have 22 been some other discussion where you 23 could -- where you would displace that. 24 Q. And earlier you were talking 25 about 48, you are referring to 48 in Figure Page 172
1 it looks like a friction/snap-fit. So it 2 has a connection means and then -- but 3 still has that linear actuator that then 4 displaces the barrier. 5 Q. Can you point to the linear 6 actuator? 7 A. It would be -- well, it would 8 be 48 or 22. I think it's called a rod 9 here, not to be confused with the Court's 10 claim construction, it doesn't convert 11 rotary motion into linear motion. 12 Q. So when you say "linear 13 actuator," you are not referring to the 14 Court's construction? 15 A. No, I'm just referring to an 16 actuator between the cap and the barrier. 17 Q. And Jensen teaches that to make 18 the barrier go down, you push on the arch 19 of a cap? 20 A. Yes, you push on the arch. But 21 a person of skill in the art would see that 22 if you wanted to have that open 23 simultaneously with the cap, you just would 24 easily just move the barrier up a little 25 bit or make the pushrod 48 or 22 slightly Page 171	1 3 of Jensen; is that right? 2 A. Yes, 48 in Figure 3 or 22 in 3 Figure 1, and then I talk about all this in 4 my report in paragraph 343 to 344. 5 Q. Thank you. Will you please 6 turn to column 2, lines 34 through 41. 7 A. Which lines in column 2? 8 Q. Please read lines 34 through 9 51, 50, and let me know when you're 10 finished. 11 (Witness perusing document.) 12 Q. Did you finish reading that 13 portion of column 2? 14 A. Yes. 15 Q. Do you agree that Jensen's 16 design allows the cap to be on without the 17 barrier being displaced? 18 A. Yes, that's one embodiment of 19 the Jensen invention. 20 Q. And Jensen discloses containing 21 medications? 22 A. Yes, many medications are 23 offered in two-part form, a liquid and a 24 powder, and then you would mix them later. 25 Q. The next -- Page 173

44 (Pages 170 - 173)

Veritext Legal Solutions
866 299-5127

1 A. But you can see from Jensen 2 that you would be able to do the 3 alternative, which would be to mix them 4 immediately and have the cap break that 5 barrier and combine the two solvents when 6 you place the cap on. 7 Q. And that would be by placing 8 the cap and depressing the arch to activate 9 the plunger to break the barrier? 10 A. No, a person of skill in the 11 art could see that all you need to do is 12 just lengthen that rod 22 or 48 so that you 13 could displace that barrier right when you 14 put the cap on. So that would be, you 15 know, a design choice, and you would be 16 motivated to do that if you wanted to have 17 those two parts mix immediately. 18 Q. Will you please -- withdrawn. 19 Column 2, line 41 of Jensen 20 teaches that under this invention the 21 "medicament and the solvent are kept 22 completely separate by the partition until 23 the medicament is to be used," correct? 24 A. That's the mode of one of those 25 embodiments. But as we look -- Page 174	1 that it is obvious when you combine this 2 with Fischetti or others that putting a rod 3 on a cap can disassociate a barrier that is 4 containing a solvent or preservative or 5 other substance. 6 Q. And do you understand that the 7 purpose of the '187 patent isn't directed 8 to separately storing the biological sample 9 and the preservative agent, right? 10 MR. ZOVKO: Objection, form. 11 A. The '187 patent is talking 12 about separately storing a preservative 13 from the outside air or for a long period 14 of time, and then when you add the saliva, 15 it keeps those separated until you put the 16 cap on. Jensen has the rod, the barrier. 17 I mean, if you put the two figures even up 18 side by side they are nearly identical. 19 Q. Which two figures are you 20 referring to that are nearly identical? 21 You are looking at the front of the '187 22 patent, the first image there? 23 A. If you take Figure 11 of the 24 '187 patent and hold it up next to Figures 25 1 and 3 of the Jensen reference, you can Page 176
1 Q. And in fact claim 1 is directed 2 to a sterile closed vessel for separate 3 storage of at least two substances, 4 correct? 5 A. Yeah, you can store it 6 separately, but the patent also talks about 7 multiple compartments, it talks about 8 different forms of the partitions. 9 Q. But claim 1 is directed to a 10 sterile closed vessel for separate storage 11 of at least two substances, correct? 12 A. Yes, and this reference shows 13 that the two different compartments, it 14 shows the compartment of a different 15 substance and a barrier between them, and 16 then that barrier broken by a cap. 17 Q. And do you see in column 3, 18 line 10, it says "When the partition is to 19 be broken, the arch part of the cap is 20 forced downwardly like a diaphragm"? 21 A. Yes. As I said, that's one of 22 the embodiments of the patent, and the 23 patent also talks about other aspects of 24 the embodiments, at least to the extent 25 that a person of skill in the art would see Page 175	1 see how even identical the teachings are. 2 Q. Figure 11 of the '187 patent 3 does not disclose an arched cap, correct? 4 That cap is flat? 5 A. Well, this cap is flat, but as 6 we understand when you are looking at 7 patents, it is not to be scaled, it is a 8 very pictorial drawing, it is showing the 9 example of a preservative at the bottom 10 being contained in with a barrier and it 11 has a rod in the middle that pushes down 12 and breaks that barrier by a cap. If you 13 look at Jensen, you have the same thing, 14 where you have a preservative or some sort 15 of liquid at the bottom, you have a 16 barrier, you have a pushrod and a cap. 17 Q. So you are offering an opinion 18 that you should only look at certain 19 aspects of those figures, not the flatness 20 of the cap in Figure 11 and the arch in the 21 caps of Figures 1 and 3 of Jensen? 22 A. In reviewing the claims of the 23 '187, I did not see the word "flatness" or 24 "flat" or "arched." 25 Q. Okay. This next exhibit is Page 177

45 (Pages 174 - 177)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 45
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 45 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 going to be Clarke, which we're at Exhibit 2 15. 3 (Leinsing Exhibit 15 marked for 4 identification.) 5 Q. Do you recognize Exhibit 15 as 6 U.S. Patent No. 4,102,451 to Clarke? 7 A. Yes, et al. 8 Q. And this is Clarke that you 9 referred to in your report, right? 10 A. Yes. 11 Q. Clarke doesn't disclose 12 displacing a barrier immediately upon 13 sealably closing the first cap, does it? 14 A. It does not disclose it doing 15 it immediately, but a person of skill in 16 the art, as I said, with Jensen would 17 understand if you wanted to do it, that 18 would be simple to do, just by lengthening 19 the rod. 20 Q. So in the combination of 21 Fischetti and Jensen, the solution, one 22 modification would be to lengthen the rod 23 or the piercing member? 24 A. Yes, I think that would -- that 25 would be an obvious thing to do if you Page 178	1 A. Yeah, not to the Court's 2 construction where it would turn a rotating 3 motion into a linear motion. So that's 4 only required in the '187, but you actually 5 can't -- '187 actually has an issue with 6 enablement or molding. You wouldn't 7 actually be able to make the embodiment 8 shown in Figures 10 or 11 and mold that, 9 because the holder for the linear actuator 10 would have an issue. But a person of skill 11 in the art would know that that rod could 12 be either in the cap or in the container, 13 and that's shown in the prior art of Jensen 14 or Clarke. 15 Q. So, again, you're not applying 16 the Court's construction of linear actuator 17 in your answers. Why is that? 18 A. You are misstating my 19 testimony. I'm using linear actuator only 20 to the extent that a rotating cap needs to 21 push to be able to convert to a linear 22 motion, and that's only used to describe 23 the '187. 24 But as I said, that motion of a 25 linear -- the linear actuator that's in the Page 180
1 cared about when those two portions would 2 mix. 3 Q. In your combination of 4 Fischetti and Jensen, what elements of 5 Jensen are you adding to Fischetti? 6 MR. ZOVKO: Objection, vague. 7 A. I think my report goes into 8 that pretty clearly, which elements I'm 9 looking at, namely the pushrod or linear 10 actuator is blunt and not sharp, that a 11 person of skill in the art would know that 12 you could break a barrier without it being 13 sharp, in addition to all the things we 14 just discussed with having a rod integral 15 to a cap that can have the ability to break 16 that barrier upon sealing of the cap with 17 the container. 18 Q. You just used -- sorry, go 19 ahead. 20 A. In addition to all of what I 21 discussed in my report. 22 Q. You just used the word "linear 23 actuator" again. Are you using that with 24 the Court's construction or not, like the 25 last time? Page 179	1 '187 would actually not be able to be 2 molded and operable, therefore you would 3 have to put the, without adding additional 4 parts, a person of skill in the art would 5 revert back to the prior art and would know 6 you could put an actuator in either part, 7 and Jensen and Clarke shows the actuator 8 attached to the cap. 9 Just to be clear, the Jensen 10 reference and the Clarke reference do not 11 use a linear actuator as defined by the 12 Court. They just have a regular actuator, 13 a pointed member, or blunt member, to break 14 the barrier. 15 Q. Okay, thank you. 16 MR. HILLIER: Nick, would now 17 be good for a break? 18 MR. ZOVKO: Yes. 19 THE VIDEOGRAPHER: Off the 20 record 15:15, the end of media unit 21 number three. 22 (Recess taken.) 23 THE VIDEOGRAPHER: We are on 24 the record at 15:32. This is the 25 beginning of media unit number four. Page 181

46 (Pages 178 - 181)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 46
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 46 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 BY MR. HILLIER: 2 Q. One of your obviousness 3 combination was Guirguis in view of 4 Williams and in further view of any one of 5 Freeman, Jeulenbelt, Longmire, and/or 6 Kilpatrick; is that right? 7 A. Can you point me to where 8 you're looking in the report? 9 Q. I think it is around 6. 10 (Leinsing Exhibit 16 marked for 11 identification.) 12 Q. So you have just been handed -- 13 withdraw the question. 14 You have just been handed 15 Exhibit 16. Do you recognize this as 16 International Publication No. WO 9838917, 17 and the first inventor listed there is 18 Guirguis? 19 A. Yes. 20 Q. And this is the Guirguis that 21 you referred to in your report? 22 A. Yes. 23 Q. Will you please turn to 24 figure -- the Figure 1 of Guirguis. Are 25 you there? Page 182	1 directed to a sample collection device that 2 can't be reopened without tampering at 3 least? 4 A. Yes, that's one embodiment. 5 But as you saw in page 27, lines 12, the 6 word "may" is in there. So it may include 7 a tamper-evident lid. It doesn't have to. 8 That's only if you care to have a specimen 9 container that cannot be reopened either 10 for drug testing or other reasons. 11 Q. And line 23 says that, it 12 doesn't just say "may," but it says "teeth 13 preferably are disposed about the inner 14 periphery," correct? 15 A. Yes, if the tamper -- if you 16 first would choose a tamper-evident lid and 17 you choose teeth, then those teeth would be 18 formed as described in the spec. But you 19 don't have to have any tamper-evident lid 20 if you don't want one. It is not 21 teaching -- that's not the only mode of the 22 invention, that is just one optional 23 embodiment. 24 Q. And Figure 1 contains an 25 isolation chamber, right? Page 184
1 A. Okay, yeah. 2 Q. This is the same Figure 1 3 that's on page 148 of your opening report, 4 right? 5 A. Yes. 6 Q. On page 27, lines 20 through 33 7 of Guirguis there is a description of 8 Figure 1. Do you see that? You have the 9 right page number. Withdraw that question. 10 Do you see on page 27 it 11 describes an embodiment of the invention, 12 it says "The specimen contained or may 13 include a tamper-evident lid"? 14 A. Yes, I see that. 15 Q. And it also says that the 16 invention can include a tamper strip? 17 A. Yes, I see that, item 126. 18 Q. And do you see that it also 19 teaches that teeth preferably are disposed 20 about the inner periphery of a strip and 21 permit one-way rotation of the lid around 22 the specimen container? 23 A. Yes, I see that. 24 Q. So do you understand that at 25 least one embodiment of Guirguis is Page 183	1 A. Yes. 2 Q. And that's number 65 in Figure 3 1? 4 A. That's correct. 5 Q. And after a sample is deposited 6 into the middle of the container, the 7 biological sample flows into the isolation 8 chamber; is that right? 9 A. Yes, that's correct. 10 Q. And then from there it flows 11 out of the collection chamber into the 12 isolation chamber and then the isolation 13 chamber can have a frangible bottom wall, 14 right? 15 A. Yes. 16 Q. That's a barrier? 17 A. Yes. 18 Q. And then the cap could be 19 pushed on to cause -- to cause the barrier 20 to rupture, right? 21 A. Well, its primary embodiment 22 shows that it would be twisted on, so the 23 rotation of the cap would push on the 24 linear actuator, converting the rotational 25 motion of the cap to the linear motion of Page 185

47 (Pages 182 - 185)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 47
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 47 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 the actuator to then rupture that barrier. 2 Q. And Guirguis also teaches that 3 preferably the collection chamber is sealed 4 from the test chamber and is also sealed 5 from the isolating -- isolation chamber, 6 right? 7 A. Correct, that's the preferred 8 embodiment that a person of skill in the 9 art would, if they didn't desire that, 10 could easily make it so that those chambers 11 would communicate. 12 Q. And in Guirguis the fluid 13 releasing element 100, when it is pushed 14 down, it recreates a seal between the 15 collection chamber and the isolation 16 chamber, right? 17 A. That's correct. But the 18 purpose of this was to show that it was 19 known to have a linear actuator moved by a 20 rotating cap to open up a barrier, and 21 whether you decide to isolate a sample or 22 communicate that would be -- would be 23 obvious to a person of skill in the art in 24 view of other prior art and what's 25 inherently known. Page 186	1 original collected specimen in the 2 container section would be exposed to 3 whatever reagents are in the test chamber? 4 A. Yes, or preservative. The 5 patent talks about using it for multiple 6 different types of liquids. So it would be 7 easy to modify for whatever purpose you 8 would want. 9 Q. But you agree that Guirguis 10 teaches that maintaining the integrity of 11 the collected biological fluid specimens is 12 vital to obtaining reliable test results 13 and to preserving an uncontaminated sample 14 for subsequent confirmatory testing, right? 15 A. That's one purpose. But 16 Guirguis also teaches a container that 17 holds a sample, a reagent compartment, a 18 linear actuator that punctures a barrier 19 that moves when the cap is rotated, and 20 many of the other claim elements of the 21 '187 patent. 22 Q. Guirguis doesn't teach that it 23 is preferable to mix the entire biological 24 sample with the reagents, right? 25 A. That's not his preferred Page 188
1 Q. How would you modify the fluid 2 releasing element 100 to avoid recreating a 3 seal between the collecting chamber and the 4 isolation chamber in Guirguis? 5 A. If you look at Figure 3 of the 6 Guirguis reference, you will see there is a 7 wall, it looks like 80, I'm not sure if it 8 is called a wall, and you can see there 9 where it points to 70 and that transition 10 from where the sample is allowed to go into 11 the isolation chamber or not, all you would 12 need to do is just lower that so that the 13 linear actuator wouldn't seal off that 14 portion or you could just make the linear 15 actuator in its starred configuration from 16 top to bottom. 17 So the linear actuator 105 in 18 Figure 3 of Guirguis shows a cylindrical 19 portion where it points to 105 and then a 20 sort of starred portion. So that linear 21 actuator could just be starred all the way 22 from top to bottom. And I talk about how 23 Guirguis, in light of other prior art in my 24 report. 25 Q. And so in that instance the Page 187	1 embodiment, but it's also not a requirement 2 of the claim elements. 3 Q. But you agree on page 2 of 4 Guirguis, which in your exhibit bears Bates 5 number 22648, that Guirguis says it is of 6 the utmost importance during the collection 7 and handling of biological fluid specimens 8 that the potential for specimen 9 contamination be minimized or eliminated, 10 and it also says that it is vital to obtain 11 reliable test results and to preserving an 12 uncontaminated sample for subsequent 13 confirmatory testing, right? 14 A. That's what Guirguis may say, 15 but the claim elements of the '187, when 16 you look at it, don't say the amount, 17 whether you have to preserve the entire 18 sample or a portion of the sample. 19 What's important is that 20 Guirguis demonstrates the claim elements as 21 you read them, element by element, and 22 teaches the elements as I described in my 23 report, mainly the attachment of a cap that 24 turns by threads, turning a linear actuator 25 from rotational -- that turns a rotational Page 189

48 (Pages 186 - 189)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 48
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 48 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 motion of the cap to a linear motion of 2 that plunger. There is a preservative 3 chamber and a barrier that then breaks when 4 you attach the cap. So all of those 5 different features are still present, 6 regardless of the uses the Guirguis patent 7 talks about. 8 Q. But you agree that to modify 9 Guirguis would require eliminating the 10 aspects of Guirguis that Guirguis teaches 11 are vital to sample collection 12 preservation? 13 MR. ZOVKO: Objection, form, 14 mischaracterizes. 15 A. As I discuss in my report, I 16 don't discuss that modification, and you 17 don't need to make those modifications to 18 still teach or make obvious the claimed 19 elements of the '187 patent. 20 Q. Which modification in Guirguis 21 do you discuss in your report if it's not 22 modifying Figure 1? 23 MR. ZOVKO: Objection, form. 24 (Witness perusing document.) 25 A. I think my report speaks for Page 190	1 star piercing member which is number 105 in 2 Figure 3 so that the entire column of 105 3 is star shaped, are there any other 4 modifications that are required? 5 MR. ZOVKO: Objection, form. 6 A. There is no other modifications 7 that you would need to make, first of all, 8 in order to satisfy the elements of the 9 claim. But to the extent that they were 10 needed to be made because Guirguis was 11 being looked at very narrowly as only 12 having a very specific application, which 13 is not outlined in the '187, you could -- 14 you could star shape the 105 or you could 15 lower the opening 3 shown in Figure 3. 16 That would be easy to do to then expose the 17 entire sample to the preservative or liquid 18 that's on the other side of the barrier. 19 But, again, that's not required, as I 20 outline in my report. 21 Q. So your opinion is that claim 1 22 of the '187 patent lacks written 23 description for devices without a 24 disruption means, right? That's in 25 paragraph 464 of your opening report. Page 192
1 itself. But I don't talk about any 2 modifications, because Guirguis discloses 3 the elements as I discuss in my report, and 4 to the extent I'm not remembering them, 5 they are outlined in my report. But there 6 is at least the modification I just 7 mentioned. 8 Q. Which modification is that that 9 you just mentioned? Can you point me to -- 10 A. Well, to the extent that what 11 you're saying in terms of what Guirguis' 12 main mode of use of the device is, is 13 problematic to the claims, that if that 14 becomes an issue with this being a piece of 15 prior art, that it would not be beyond the 16 understanding or abilities of a person of 17 skill in the art to make a simple 18 modification if you needed to have a 19 preservative exposed to the entire sample, 20 including the collection sample. But as I 21 point out in my report, those modifications 22 are not required for Guirguis to meet the 23 elements of the claim as I outline in the 24 report. 25 Q. So other than modifying the Page 191	1 A. Which paragraph are you looking 2 at, 464? Yes, that's one of my three 3 arguments with lack of written description. 4 Q. Now, what do you mean by the 5 phrase "devices without a disruption 6 means"? 7 A. Well, claim, I'm sorry, patent 8 '187 talks about a device, so we are 9 talking about a medical device in this case 10 for collecting saliva with a sealed-off 11 reagent compartment, and the disruption 12 means would be the means to open that 13 barrier. 14 Q. So you understand "disruption 15 means" to mean a means that opens a 16 barrier? 17 MR. ZOVKO: Objection, form. 18 A. Yeah, there is no written 19 description. Under the Court's claim 20 construction, if there is not going to be a 21 means plus function term that talks about a 22 specific mechanical structure that would 23 open up that barrier, then there's, in that 24 the claim is open to something that would 25 open up that barrier without a disruption Page 193

49 (Pages 190 - 193)

Veritext Legal Solutions
866 299-5127

1 means such as a linear actuator or some 2 other type of means, then there is -- there 3 is no description of what that would be, 4 how the cap would do that. 5 Q. A linear actuator is a type of 6 disruption means? 7 MR. ZOVKO: Objection, form. 8 A. Yes, that would be one, and 9 that's what I think was the understanding 10 going into the claim construction hearing 11 is that there must be some sort of means 12 plus function term, there must be a 13 structure that does that, like the linear 14 actuator. 15 What the result was was that 16 there doesn't need to be such a means to 17 disrupt that barrier or open that barrier. 18 So I don't understand how that would 19 happen, and there is no written description 20 on how that would happen without such a 21 means. 22 Q. "Disruption means" is not in 23 claim 1, right, the word "disruption 24 means"? 25 A. No, and that's the issue, is Page 194	1 that a barrier can be capable of 2 disestablishment? 3 MR. ZOVKO: Objection, form. 4 A. Are you implying that that's an 5 element of the claim? 6 Q. No. I'm asking you there are 7 different ways that a barrier can be 8 capable of disestablishment, right? 9 MR. ZOVKO: Objection, form. 10 A. I think it depends on the 11 barrier, and I would expect something to -- 12 something would have to disestablish it or 13 break it, and I would expect that to be 14 taught. I don't expect a device to work 15 without something. 16 Q. Is a piercing membrane capable 17 of disestablishment? 18 MR. ZOVKO: Objection, form. 19 A. On its own, no. 20 Q. What else would be required 21 for -- you mean -- let me withdraw that. 22 Is a device with a membrane 23 that's friable with a piercing member in 24 the cap capable of disestablishment? 25 MR. ZOVKO: Objection, form. Page 196
1 that there isn't anything there. It says 2 "barriers mechanically disestablished." I 3 thought when reading, when you see the word 4 "mechanically" usually that's a means plus 5 function term, but it was decided that 6 that's not the case. So if that's not the 7 case and there isn't a disruption means 8 required in the claim, then how is -- how 9 is the barrier opened? There is no written 10 description support on how it's opened 11 without a disruption means. 12 Q. But you understand that 13 "disruption means" is not a claim term, 14 right? 15 A. That's the issue. It's not a 16 claim term within claim 1, so that means, 17 then, that the claim would cover devices 18 that don't have a disruption means. So my 19 argument is how can that happen? There is 20 no written description support of how such 21 a device would work, because it is open to 22 devices that don't have anything. So how 23 does that -- I don't understand how that 24 would happen. 25 Q. What are the different ways Page 195	1 A. Yes, with the reagent in the 2 container that doesn't have the cap and 3 then you put a cap on it that has a spike, 4 then that would disestablish it. But 5 that's the point, there is no teaching on 6 how you would do that if it didn't have 7 that spike. But the claim would cover 8 that. 9 Q. But you don't believe that in 10 2002 that piercing membranes were unknown, 11 right? 12 MR. ZOVKO: Objection, form. 13 A. They were -- they were known, 14 and I've shown that in the prior art, such 15 as Fischetti and Guirguis. 16 Q. And another way of 17 disestablishing a barrier in a collection 18 device is a ram and plunger, right? 19 MR. ZOVKO: Objection, form. 20 A. I think it was very well known. 21 Q. And another way of 22 disestablishing a barrier is to open a 23 valve, right? 24 MR. ZOVKO: Objection, form, 25 vague. Page 197

50 (Pages 194 - 197)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 50
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 50 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 A. I would need to see the context 2 of that, because I think there is some 3 cases where a barrier is different than a 4 valve. 5 Q. There are some cases where a 6 barrier is different than a valve? 7 A. I think it depends on the 8 context. A barrier extrinsically could be 9 just a thin film or a disc, where a valve 10 could be something you turn or has multiple 11 components, where a barrier you think of as 12 a single component that's forming a 13 barrier, a single wall, single film, where 14 a valve would be a more mechanical two-part 15 structure. 16 Q. In an annular valve with a 17 ball, the ball functions as a barrier when 18 closed, right? 19 MR. ZOVKO: Objection, form. 20 A. I would need to see the 21 example. That's not what we are looking at 22 here in these patents. 23 Q. Do you have a hose bib at your 24 house? 25 A. A hose what? Page 198	1 Diego, the ball in a regular hose faucet, 2 are you familiar with a non-freeze-proof 3 faucet? 4 A. I think you mean by it like a 5 ball that has a hole in the middle of it 6 and you turn the ball, but that's -- I 7 don't see the relevance in that to '187 or 8 the '646 patents. 9 Q. Is that ball with a hole in it 10 acting as a barrier when it's closed to 11 water flowing through the faucet? 12 A. Possibly. I would need to look 13 at it and then, again, that's something 14 completely extrinsic that doesn't work like 15 either the accused products or the asserted 16 patents. 17 Q. Claim 1 of the '187 patent 18 doesn't expressly exclude having a 19 disruption means; is that right? 20 MR. ZOVKO: Objection, form. 21 A. Can you repeat that, please? 22 Q. Claim 1 of the '187 patent 23 doesn't exclude having a disruption means; 24 is that right? 25 MR. ZOVKO: Same objection. Page 200
1 Q. Do you have a hose outside your 2 house with a faucet? 3 A. Yes. 4 Q. Is that a ball joint -- I mean 5 a ball valve? 6 A. No. 7 Q. What is that? 8 A. It is, well, I live in New 9 Hampshire, so we have what is called a 10 frost-free valve. There is a handle on one 11 end that you turn, there is a long shaft, 12 and then it either releases a rubber washer 13 that's on a seal that's inside your house 14 so that the water that's between the long 15 shaft and the handle flows out your hose so 16 that that water doesn't freeze. So it is 17 an actual washer/disc type valve. 18 Q. I used to have one of those in 19 my house in Connecticut. But at the end of 20 that there is a ball valve, right, inside 21 the housing? 22 A. No, it is a disc, it is a 23 rubber washer that either puts pressure on 24 or not. 25 Q. Humor us, since I'm from San Page 199	1 A. That's correct. I think you 2 can have one. But the problem is that if 3 you -- if you don't have one, as I say in 4 paragraph 464, it's the issue is with 5 devices without a disrupted means -- 6 disruption means. 7 Q. The '187 patent discloses 8 piercing disruption means, right? 9 A. I don't see the word "piercing" 10 or "disruption means" in claim 1 based on 11 the way the Court has construed the terms. 12 Q. And what about in the 13 specification? 14 A. The specification talks about 15 disruption means, but does not discuss how 16 the barrier would be mechanically 17 disestablished without a disruption means. 18 Q. A pivoting disc with a ram and 19 plunger can be a disruption means, right? 20 A. Yes, which would make sense, so 21 then I think claim 1 should include a 22 disruption means. There should be some, 23 which I believe would be part of the 24 "mechanical" word in there, it is a means 25 plus function term, but we're now working Page 201

51 (Pages 198 - 201)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 51
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 51 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 with the claim -- the Court's claim 2 construction which would include such 3 embodiments without a disruption means, 4 according to the Court. So then we have 5 now a written description issue for such 6 devices without a disruption means. 7 Q. And paragraph 464 of your 8 report describes Figure 11, and that 9 depicts a disruption means, correct? 10 A. Yes. So I think that would -- 11 that makes sense. That would be the 12 mechanical means to disrupt the barrier. 13 But there is plenty of written description 14 with a disruption means; the issue is 15 without. 16 Q. So the pivoting disc in Figure 17 11 is a way to mechanically disestablish a 18 barrier? 19 A. Yes. But if you look at Figure 20 11 on page 179 of my report and delete 21 items 4 and 5, there is no written 22 description on how it rotates shown in 13 23 without the disruption means, how does that 24 happen. 25 Q. So without -- if you take Page 202	1 your opinions? 2 A. Yes, very carefully, and I 3 agree with the Court on this matter. 4 Q. And do you think you thoroughly 5 reviewed the specification of the '187 6 patent in forming your opinions? 7 A. Yes. I think I did, and I 8 think the Court did as well. 9 Q. You disagree with the Court 10 about disruption means? 11 MR. ZOVKO: Objection, form, 12 mischaracterizes. Go ahead. 13 A. So I, well, I disagree with the 14 fact that the claim 1 doesn't have a means 15 plus function term when it says 16 "mechanically." I think that would have 17 resolved the issue of structure and that 18 would be the mechanical -- I think that 19 would resolve that issue. But, regardless, 20 it is my job to work within the Court's 21 construction, and if that's the case, then 22 there is no written description for the 23 devices without a disruption means. 24 Q. Did you review column 1, lines 25 8 through 19, of the '187 patent in forming Page 204
1 away -- well, withdrawn, withdrawn. 2 In paragraph 470 of your 3 opening report you contend that claim 1 of 4 the '187 patent lacks written description 5 for devices with reagent compartments 6 located within the cap of the container; is 7 that right? 8 A. That's correct. 9 Q. Now, there are basically two 10 places that a reagent compartment can go in 11 a saliva collection device, the cap and the 12 tube, right? 13 A. Well, it can be in the cap or 14 the container or tube, but it can be in 15 different locations in each one of those, 16 but generally it can be in one of those two 17 areas. But the '187 specifically puts it 18 in the container or the tube, which does 19 not include the cap, and I think did a 20 really good job of going through the 21 specification and outlining the support for 22 why it would only be in the container that 23 does not include the cap. 24 Q. And did you carefully review 25 the '187 patent specification in forming Page 203	1 your opinions? 2 A. Can you repeat those numbers 3 again? 4 Q. Did you review column 1, lines 5 8 through 19, of the '187 patent in forming 6 your opinions that there was no written 7 description of a reagent compartment in the 8 cap? 9 A. Yes. 10 Q. And did you read that U.S. 11 provisional patent application serial 12 number 60/386397 is incorporated by 13 reference in its entirety into the '187 14 patent? 15 MR. ZOVKO: Objection, form, 16 legal conclusion. 17 A. Yes, I read that. 18 Q. And you read that the patent 19 says that that patent application serial 20 number 60/386397 is hereby incorporated 21 herein by reference in its entirety, 22 correct? 23 MR. ZOVKO: Same objection. 24 A. Yes, and it's my understanding 25 that this is I think a legal question, as Page 205

52 (Pages 202 - 205)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 52
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 52 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 counsel has indicated, but that a 2 provisional patent, first, is not to be 3 considered part of the actual patent 4 application. Second, when looking at that 5 provisional patent, and both the Court and 6 myself reviewed that, and saw that there 7 was one image I believe that's in the 8 provisional and it was purposely removed in 9 the patent application to purposely remove 10 the reagent from the cap. 11 Q. So you did -- you did review 12 what I'm going to call the '398 provisional 13 in forming your opinions that there is no 14 written description? 15 A. So the argument here in my 16 report on 469 is to the extent that Genotek 17 is arguing that after claim construction 18 order, that Genotek is still pushing the 19 fact that the patent '187 has a reagent 20 chamber in the cap based on the way the 21 patent application and patent is written. 22 There is no written description support in 23 that patent and that the provisional 24 application would not be considered. 25 But I think that's a legal Page 206	1 irrelevant to the written description 2 analysis? 3 A. Yes, for -- 4 MR. ZOVKO: Objection, form. 5 Go ahead. 6 A. Yes, for the reasons I just 7 mentioned. 8 Q. This is going to be marked as 9 Exhibit 17. 10 (Leinsing Exhibit 17 marked for 11 identification.) 12 Q. Exhibit 17 is provisional 13 60/386398. Do you recognize the '398 14 application? 15 A. Yes, I recognize the '398 16 provisional patent application. 17 Q. On the first page it is signed 18 by Dr. Chaim Birnboim, the inventor of the 19 '187 patent, correct? 20 A. Correct. 21 Q. Would you please turn to Figure 22 2. And do you see on page 5, Figure 2 is 23 described as Tube Design B and it says that 24 it contains a small bag labeled 3 25 containing about 2 milliliters of DNA Page 208
1 question in terms of how that works with 2 written description law. That's a legal 3 thing. But even with the way the patent is 4 written and the way the patent was granted, 5 there is no written description support if 6 Genotek is going to continue to push and 7 ignore the Court's claim construction that 8 the reagent compartment resides within the 9 cap. 10 Q. You don't put yourself out as 11 an attorney, right? 12 A. No, so please stop asking me 13 legal questions. 14 Q. I haven't asked you any legal 15 questions. My question is did you look at 16 the '398 provisional in forming your 17 opinions in your report about the lack of 18 written description? 19 A. Yes, I believe I mentioned I 20 talked about that, and the reasons that 21 that was not considered as part of the 22 written description is a legal reason, not 23 a technical reason. 24 Q. And you were told by counsel to 25 assume that the '398 provisional was Page 207	1 preserving composition, and a cap and bag 2 are designed such that the action of 3 tightening the cap both locks the cap and 4 releasing the contents of the bag, allowing 5 the DNA preserving solution to mix with the 6 saliva? 7 A. Yes, I see. Again, like I 8 said, that was a legal question as to why 9 that was not considered part of written 10 description, because it is in the 11 provisional patent, and also because it is 12 a result of the claim construction being 13 the way it is with the reaction chamber, 14 I'm sorry, the reagent chamber, where it 15 was located, where the spec talks about 16 where it is located, how the Court 17 construed it, but then yet Genotek wants to 18 ignore where it is located, meaning in the 19 container without the cap, and continue to 20 push that it actually can be in the cap, 21 and with that follow-on issues it becomes a 22 written description issue. 23 But, again, I think this 24 written description issue and the issues 25 you are talking about with the provisional Page 209

53 (Pages 206 - 209)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 53
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 53 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 is a legal question and not a technical 2 question. 3 Q. You wrote in your report on 4 page 5 that "To satisfy the written 5 description requirement, the specification 6 of the patent must convey with reasonable 7 clarity to those skilled in the art that as 8 of the patent's effective filing date the 9 inventors were in possession of the claimed 10 invention." 11 Did I read that correctly? 12 A. Yes, that's correct. Again, 13 this is a legal question that the Court has 14 answered. This has been brought in front 15 of the judge. I agree with him in this 16 case that the spec supports the reagent in 17 the -- it was purposely removed. 18 I think Genotek even said in 19 another IPR proceeding that the patent 20 didn't cover a reagent chamber or 21 compartment in the cap, and so really to 22 ask me further about this, I think it comes 23 down to a legal decision. But the Court 24 has already decided on that. 25 So for Genotek to keep pushing Page 210	1 in possession of a reagent compartment 2 within a cap? 3 MR. ZOVKO: Objection, form, 4 legal conclusion. 5 A. Well, first, he filed a U.S. 6 provisional patent application, not the 7 patent application. He had a concept that 8 was shown. 9 Again, if that was the case, 10 and as I showed in terms of invalidity, he 11 was not the first to invent that. I 12 wouldn't say he would be in possession or 13 be the first inventor of that. But, 14 regardless, the patent is what it is today. 15 It was purposely removed in the 16 application. It wasn't claimed in the 17 '187, it wasn't specified in the '187, 18 therefore, there is no reagent compartment 19 in the cap. 20 Q. Did you talk to anybody at 21 Genotek who prosecuted a patent about 22 whether this image was, quote, 23 "purposefully removed"? 24 A. No, I did not speak to -- 25 Q. So you don't -- Page 212
1 that it's in the -- in the cap I think 2 becomes a legal question, and if it's -- if 3 it's still going to be looked at as being 4 in the cap, then it is a written 5 description issue, because my understanding 6 that written description is in the bounds 7 of the patent application, the patent, the 8 file history, and the specification, and it 9 doesn't show up in those documents. 10 MR. HILLIER: I'm going to move 11 to strike as nonresponsive. The 12 question was did I read that correctly, 13 and the answer was yes, that's correct. 14 Q. Does this '398 application 15 signed by Chaim Birnboim, the inventor of 16 the '187 patent, depict a reagent 17 compartment in the cap? 18 A. The provisional application 19 does show it in the cap as item 3. Again, 20 it was purposely removed in the patent 21 application. 22 Q. Does the fact that Chaim 23 Birnboim signed an application that 24 contained a reagent compartment depicted in 25 the cap suggest that Dr. Chaim Birnboim was Page 211	1 MR. ZOVKO: Let him finish, 2 please. 3 A. No, I did not speak to anybody 4 at Genotek. 5 Q. So you don't have a basis to 6 give an opinion, not that -- withdrawn. 7 So you don't have any basis to 8 testify that there was purposeful intent to 9 remove an image, do you? 10 MR. ZOVKO: Objection, form, 11 foundation. 12 A. Well, I have two pieces of 13 evidence and support from the Court. I 14 think the Court had said that it was, I 15 think it was their words, but maybe I'm 16 mistaken, it is in the claim construction 17 order, so I will let it speak for itself, 18 that it was purposefully removed. I 19 thought that was the word they used. 20 But in any case, remove the 21 word "purposefully." It was removed and 22 then in a follow-up IPR proceeding Genotek 23 confirmed that the invention of the '187 24 did not include the invention of a reagent 25 compartment in the cap, and I think there Page 213

54 (Pages 210 - 213)

Veritext Legal Solutions
866 299-5127

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 were some other reasons for that for 2 avoiding either prior art or some other 3 issues, and they didn't want to include 4 that in the claims or the patent for 5 whatever reason. 6 Q. But you don't know what those 7 reasons are, because you didn't talk to 8 them, did you? 9 A. No, and it is irrelevant. It 10 doesn't matter what the reasons are. The 11 fact of the matter is that the '187 does 12 not include the reagent compartment in the 13 cap and that is all that does matter. 14 Q. If the reasons don't matter why 15 did you say they did it purposefully or 16 they did it to avoid prior art? 17 A. As I said, I retracted my word 18 "purposefully." I think I might have taken 19 that from the Court's word or the Court's 20 claim construction. It was removed from it 21 and then reaffirmed or reconfirmed from 22 Genotek themselves that the '187 patent did 23 not cover reagents within the cap. 24 So we see it both in what 25 happened in the documents that it was Page 214	1 doesn't include the cap, otherwise it would 2 be a moot discussion. But to the extent 3 you want to ask further about that, I think 4 that's a legal question and I cannot 5 answer. 6 Q. But you are comfortable giving 7 a legal answer that Genotek is allegedly 8 not following a claim construction order, 9 that's something you are capable of giving 10 an opinion about? 11 MR. ZOVKO: Objection, form. 12 MR. HILLIER: Withdrawn. 13 MR. ZOVKO: Argumentative. 14 MR. HILLIER: Could we take a 15 little break? 16 THE VIDEOGRAPHER: Off the 17 record at 16:29. 18 (Recess taken.) 19 (Leinsing Exhibit 18 marked for 20 identification.) 21 (Leinsing Exhibit 18A marked 22 for identification.) 23 (Leinsing Exhibit 18B marked 24 for identification.) 25 (Leinsing Exhibit 18C marked Page 216
1 eliminated or deleted from the patent 2 application of the '187 and then later we 3 see confirmation from Genotek that it was 4 not in there, and then me as a person of 5 skill in the art reading the entire spec of 6 the '187, it only talks about the reagent 7 chamber in the container, which is the 8 portion that does not include the cap. 9 Q. Except that it incorporates by 10 reference in its entirety a document that 11 shows a reagent compartment in the cap, 12 correct? 13 MR. ZOVKO: Objection, form, 14 legal conclusion. 15 A. I think, again, that is a legal 16 question you are asking me. It is not 17 something technical for the provisional 18 part of the patent. We wouldn't be talking 19 about this if, first of all, Genotek would 20 follow the claim construction order. The 21 only reason we are having a written 22 description discussion is because Genotek 23 doesn't want to follow the claim 24 construction order which states that the 25 reagent chamber is in the container that Page 215	1 for identification.) 2 (Leinsing Exhibit 18D marked 3 for identification.) 4 THE VIDEOGRAPHER: On the 5 record at 16:33. Please proceed. 6 BY MR. HILLIER: 7 Q. You brought some cross-sections 8 that you made to your deposition today; is 9 that right? 10 A. That's correct. 11 Q. I'm going to hand you what has 12 been premarked as Exhibit 18. Is this the 13 bag that you brought the cross-sections in? 14 A. Yes. 15 Q. And that bag says 16 "Cross-Section" on it? 17 A. Yes. 18 Q. I'm now handing you Exhibit 19 18A. Do you recognize that box? 20 A. Yes. 21 Q. Is that the box that was in 22 Exhibit 18 that you brought to your 23 deposition today? 24 A. Yes. 25 Q. And now I'm going to hand you Page 217

55 (Pages 214 - 217)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 55
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 55 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 Exhibit 18B. Do you recognize Exhibit 18B 2 as an instructions for use for the 3 SDNA-1000? 4 A. Yes, that was the instructions 5 for use included with it. 6 Q. And that's the instructions for 7 use that were included in the box that you 8 brought today as Exhibit 18A? 9 A. Correct. 10 Q. I'm now handing you a bag that 11 is 18C, and on top of it, it says "Rough 12 Cut." Do you recognize that? 13 A. Yes. 14 Q. And is that one of the 15 cross-sections that you brought today in 16 the bag that is Exhibit 18? 17 A. Yes. 18 Q. And, finally, I'm handing you 19 Exhibit 18D, and it is a bag that says 20 "Polished Cut"? 21 A. Yes. 22 Q. And that's also one of the 23 cross-sections that you brought today? 24 A. That's correct. This is the 25 other half of 18C. Page 218	1 you cut it in half? 2 A. So after I cut with a saw or 3 razor blade, I used multiple steps of 4 different grits of sandpaper and polishing 5 compounds to remove the burrs off of the 6 cross-section so that you could clearly see 7 the cross-sectional profile of each of the 8 parts. 9 Q. You did not include a picture 10 of the rough cut, Exhibit C -- withdrawn. 11 You did not include a picture 12 of the rough cut, Exhibit 18C, in your 13 report, did you? 14 A. No, I did not. 15 Q. Did you take any pictures of 16 rough cut 18C? 17 A. No, I did not. 18 Q. Why not? 19 A. Because it's difficult to see 20 anything with the burrs on the parts, and I 21 only needed one half to show the 22 cross-section of the parts. 23 Q. And you didn't disclose that 24 you had to polish the cross-section in 25 order to see the different components, did Page 220
1 Q. And both 18C and 18D contain -- 2 each contain one-half of an SDNA-1000 that 3 you sliced with a razor; is that right? 4 A. Yes, or cut with a saw in some 5 parts. 6 Q. Which parts did you have to cut 7 with a saw? 8 A. The ones that look a little 9 more jagged. 10 Q. And you are looking at the 11 rough cut now has the jagged cross-section? 12 A. Correct. 13 Q. What did you do to -- 14 withdrawn. 15 Did you do anything to the 16 rough cut other than cut it with a razor 17 blade and a saw? 18 A. In the rough cut package, 19 that's all I did was cut it with a blade, a 20 razor blade and a saw, and then they were 21 left in that condition after those 22 operations. 23 Q. Exhibit 18D, that contains the 24 other half, but it says it was polished. 25 What did you do to the device in 18D after Page 219	1 you, in your report? 2 MR. ZOVKO: Objection, form. 3 A. I didn't specifically use the 4 word "polish." I said they were 5 cross-sectioned, and it is part of the 6 procedure to cross-section them and 7 properly show the features of the part and 8 not allow the features to be confused with 9 burrs. 10 Q. Did anybody help you to perform 11 the cross-section and polishing? 12 A. My engineer may have ordered 13 the sandpaper and the compounds that we 14 have in the lab, but otherwise I did the 15 cutting and the polishing. 16 Q. What is your engineer's name? 17 A. Joseph Durant. 18 Q. And where did this happen? 19 A. In my lab -- in the medical lab 20 of my company, ATech Design Incorporated. 21 Q. Who else was present when you 22 were having this polished and cut? 23 A. I did the cutting and 24 polishing. There was nobody else present 25 that I recall. Joe might have been in the Page 221

56 (Pages 218 - 221)

Veritext Legal Solutions
866 299-5127

1 room, but he wasn't watching me do it, or 2 at least not that I recall. 3 Q. And Joe, that's the engineer 4 you mentioned earlier? 5 A. Yes, Joseph Durant. 6 Q. You said there was a protocol 7 for slicing and sanding these 8 cross-sections. Did you produce that 9 protocol to Spectrum? 10 A. No, I don't have a written 11 protocol. It is sort of a, I guess I 12 should say a procedure that's in my head. 13 I have been doing this for almost 30 years 14 now where I take either epoxy, encapsulated 15 parts, and polish and grind them. 16 Actually, I did it in college where you 17 would do this with samples and learn how to 18 do potting. It is used a lot for 19 microscopy and doing scanning electron 20 microscope work. And so these samples were 21 done the same way except without potting 22 them in silicone, and the reason I didn't 23 do silicone in this case is because they 24 are clear parts and they show up better I 25 think when they are not in the epoxy. Page 222	1 making cross-sectional cuts of small parts 2 encased in epoxy," right? 3 A. Yes. 4 Q. And the full sentence is "This, 5 in addition to making cross-sectional cuts 6 of small parts encased in epoxy, allows a 7 full analysis of a device so that both 8 parties in the case, including a judge and 9 jury, can understand the operation and 10 parts of a device"; is that right? 11 A. That's correct. I find it very 12 helpful. I was surprised that Dr. Wereley 13 didn't do such an analysis when he did his 14 infringement analysis. 15 Q. Do you know how many -- you 16 don't think Dr. Wereley has testified about 17 50 times as a patent expert, do you? 18 MR. ZOVKO: Objection, form. 19 A. I don't recall how many times 20 he testified. It is, you know, his burden 21 to show clear and convincing evidence that 22 the device infringes the claims, and I 23 didn't see him do such a close analysis. 24 He looked at I believe it was 25 some drawings and things that actually Page 224
1 Q. So that's one of your playbooks 2 as an expert witness is to cut them in half 3 and take a look? 4 A. I wouldn't call it a playbook. 5 I just think it is proper engineering 6 analysis to look at the components. In 7 this case we had some claim terms and claim 8 elements that had different terms that 9 required looking at the components and how 10 they interacted. 11 Q. This next exhibit will be 12 Exhibit 19. 13 (Leinsing Exhibit 19 marked for 14 identification.) 15 Q. Do you recognize Exhibit 19 as 16 an article that you wrote called "How a 17 medical device expert witness can assist in 18 a case"? 19 A. Yes, I recognize this. 20 Q. And you wrote this to describe 21 how a medical expert can help a client with 22 a case? 23 A. Yes, I did. 24 Q. And one of the things you said 25 in this article is that "in addition to Page 223	1 misrepresented the actual parts, and the 2 proper way that I understand is to look at 3 the actual parts very closely and 4 carefully, sometimes under a microscope, to 5 see if the parts actually infringe the 6 claims, and I did not see that Dr. Wereley 7 did that and reserve the right to bring 8 that up at trial, if necessary, because I 9 think that's something that should have 10 been done. 11 Q. Understood. Will you please 12 turn to your CV that I think is an exhibit 13 to both of your reports. Let's look at 14 your rebuttal report. Please let me know 15 when you are there, and turn to page 3. 16 A. Okay. 17 Q. You list four publications; is 18 that right? 19 A. Yes. 20 Q. And the first is your thesis 21 from 1995; is that right? 22 A. That's correct. 23 Q. Where did you publish your 24 thesis? 25 A. It was with the college, and Page 225

57 (Pages 222 - 225)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 57
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 57 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 then it was -- I believe you can get it 2 online. To this day, I could never 3 understand, this particular college pulls 4 the abstract from their theses to sort of 5 make people read the whole thing, and that 6 has been a thorn in my side ever since 7 because I never understood why you would do 8 that. But I believe you can find it if you 9 search for it, but you can't see an 10 abstract. 11 Q. Who is the publisher of your 12 thesis, if any? 13 A. I believe it is the college. 14 I'm not really sure. I haven't tried to 15 look it up in a long time. 16 Q. Which college is that? 17 A. North Carolina A&T State 18 University. 19 Q. So if we looked in there, so 20 there is multiple copies of your thesis 21 that have been published or is it just one 22 copy stored in the library? 23 A. It is probably one copy stored 24 in the library. This is 1995, so keeping 25 in mind that putting stuff on a website I'm Page 226	1 Q. And you didn't use colored 2 epoxy for your cross-sections, right? 3 A. No, I didn't need to do that. 4 Instead, in the picture I included one with 5 a piece of thread and I included that in my 6 report that shows the path that the fluid 7 would go through. 8 Q. The other publication you list 9 is called The A to Z Guide to Expert 10 Witnessing. Did I read that right? 11 A. Yes. 12 Q. Are you the sole author of that 13 book? 14 A. No. I was -- I was just asked 15 if my CV could be published in there. 16 Q. So you didn't actually write -- 17 MR. ZOVKO: Just let him 18 finish. 19 Q. -- the book The A to Z Guide 20 for Expert Witnessing by SEAK, did you? 21 A. No, I did not author that 22 document. It is a publication that I was 23 in. I don't remember if it had anything 24 written about me other than how to form a 25 proper CV as an expert witness. Page 228
1 not even sure was even done in 1995. I 2 think websites were just barely becoming 3 like used. 4 Q. And the other -- and then 5 another article of your four publications 6 is the one we just looked at, right, how a 7 medical device expert witness can assist in 8 a case; is that right? 9 A. That's correct. 10 Q. And you said in there that that 11 article, that you could use colored epoxy 12 to show, for example, the blood fluid path 13 or a yellow epoxy to show separate volume 14 space in the valve, right? 15 A. Yes, that's what you could do, 16 yes. 17 Q. And you said that that would -- 18 using different colored epoxies like that 19 is going to help the judge and jury, right? 20 A. Yes, it can, if there is a very 21 complicated fluid path. As you can see in 22 the example on picture 2 of Exhibit 19 that 23 it is a very collapsed, very random sort of 24 fluid path that can be formed by this 25 particular needle-free valve. Page 227	1 MR. ZOVKO: Mr. Hillier, I just 2 ask that you let the witness finish his 3 response. You cut him off a few times 4 recently. 5 MR. HILLIER: I will let the 6 witness finish his answers, but I don't 7 agree with the characterization. 8 This next one will be Exhibit 9 20. 10 (Leinsing Exhibit 20 marked for 11 identification.) 12 Q. Do you see this document that's 13 been marked Exhibit 20, at the start it 14 says "How to be a Successful Expert 15 Witness: SEAK's A to Z Guide to Expert 16 Witnessing"? 17 A. Yes. 18 Q. And do you see at the bottom 19 there is a web address and it says 20 "store.seak.com/how-to-be-a-successful- 21 expert-witness-seaks-a-z-guide-to-expert- 22 witnessing"? 23 A. Yes, I see that. 24 Q. And is this a picture of the 25 book you are referring to in your list of Page 229

58 (Pages 226 - 229)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 58
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 58 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 publications in your CV? 2 A. Yes, it looks like it, and it 3 has the same ISPN number. 4 Q. And who are the authors listed 5 on the cover of the book that you have 6 listed under your list of publications? 7 A. I don't know how to say all 8 their names, but Mangraviti, Babitsky and 9 Donovan. 10 Q. But your name is not on the 11 cover of this book, is it? 12 A. No, I didn't say I authored the 13 book at all. I have never put that 14 forward. It is just that it is -- it is 15 where I'm published is why that's included. 16 I don't want to withhold any 17 information, specifically since my CV, 18 which contains a lot of I think pretty 19 confidential information or personal 20 information, is published directly in that 21 book. So I wrote and I authored the CV 22 that is in that document, so I authored 23 those pages of that book. 24 Q. This next exhibit will be 21. 25 (Leinsing Exhibit 21 marked for Page 230	1 composition of different drugs. 2 Q. And it says at the bottom "For 3 more information visit CareFusion.com"? 4 A. Correct, that's what it says. 5 Q. Is CareFusion.com the company 6 that you licensed your patent to? 7 A. Well, actually I originally 8 licensed it to IVAC, and then Alaris bought 9 IVAC, and I believe Cardinal Health then 10 bought Alaris, and then CareFusion bought 11 Cardinal Health, and then Becton Dickinson 12 bought CareFusion. So it went from all of 13 those companies to now currently they are 14 licensed to Becton Dickinson. 15 Q. Okay. Thank you. 16 A. You're welcome. 17 Q. You understand that Genotek 18 contends that there are objective indicia 19 of nonobviousness that support the validity 20 of the '187 patent, correct? 21 A. Correct. 22 Q. What's your understanding of 23 Genotek's position on the objective indicia 24 of nonobviousness ? 25 A. I believe I outlined those in Page 232
1 identification.) 2 Q. Do you recognize the document 3 that has been marked as Exhibit 21 as 4 Chemical Compatibility and the SmartSite 5 Needle-Free Valve? 6 A. Yes, I do. This was actually 7 written as a result of my thesis work in 8 large part. 9 Q. And there is another person 10 listed on this exhibit, right? 11 A. Yes. 12 Q. And Julie Carman is her name? 13 A. Yes. 14 Q. And there is four paragraphs on 15 this Exhibit 21, this publication, right? 16 A. Yes. 17 Q. And the other half of this 18 document is a chart of different compounds; 19 is that right? 20 A. Yes, those are drug 21 constituents. 22 Q. These are just -- these are 23 different excipients? 24 A. They are called constituents. 25 They are different drugs that make up the Page 231	1 my report. I think the biggest issue they 2 were trying to discuss certain secondary 3 considerations, but the main issue I had 4 was that the nexus between the devices 5 being discussed and the claims of the 6 patents. 7 Q. Other than nexus, are you 8 offering an opinion on secondary 9 considerations, also called objective 10 indicia of nonobviousness? 11 A. Yes. 12 Q. What are those opinions? 13 A. They are outlined in my report. 14 Q. Other than the disagreement 15 about nexus, what else do you disagree 16 with? 17 MR. ZOVKO: I will object. His 18 report speaks for itself. 19 MR. HILLIER: That type of 20 speaking objection is improper. Please 21 don't do that. 22 MR. ZOVKO: I disagree. I will 23 object, asked and answered. 24 Q. Let me ask it this way: Does 25 the section on secondary considerations in Page 233

59 (Pages 230 - 233)

Veritext Legal Solutions
866 299-5127

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 your opening report contain all of your 2 opinions about secondary considerations? 3 A. Did you give me the rebuttal 4 report of Dr. Wereley? I thought you did. 5 MR. ZOVKO: Yeah, I think you 6 do have that there somewhere. 7 Q. Do you need to look at 8 Dr. Wereley's report to understand if your 9 opening report's description of your 10 opinion about secondary considerations is 11 your entire opinion? 12 MR. ZOVKO: Objection, form. 13 A. Yes, because my understanding 14 is so I write my opening report, he writes 15 a rebuttal to it, I don't get an 16 opportunity to rebut that report in 17 writing, so I would like to review his 18 report so that I can answer your question, 19 which I appreciate you asking, because it 20 gives me an opportunity to rebut his 21 report. But I would like to see his report 22 so that I can rebut his additional comments 23 after I wrote my opinions on secondary 24 considerations. 25 MR. ZOVKO: You had copies at Page 234	1 can. 2 Q. Dr. Wereley has about three 3 pages on commercial success, so it is very 4 short. 5 A. Yeah, so it won't take me long 6 if you just give me a minute. 7 (Witness perusing document.) 8 MR. HILLIER: Let's take a 9 break. 10 THE VIDEOGRAPHER: Off the 11 record at 17:01. 12 (Recess taken.) 13 THE VIDEOGRAPHER: We are on 14 the record at 17:04. 15 BY MR. HILLIER: 16 Q. Does your opening expert report 17 disclose all of your opinions about 18 secondary considerations in this case? 19 A. Only those opinions prior to 20 Dr. Wereley's rebuttal report. 21 Q. And do you have any opinions in 22 response to Dr. Wereley's rebuttal report? 23 A. Yes. So under commercial 24 success, I disagree with Dr. Wereley as he 25 references different patents in the origin Page 236
1 some point. I think they were taken 2 away. 3 THE WITNESS: Yeah, I think so 4 too. 5 MR. HILLIER: We did not take 6 away any copies. But here is a 7 rebuttal report. 8 (Leinsing Exhibit 22 marked for 9 identification.) 10 Q. You have reviewed Dr. Wereley's 11 rebuttal report before today in preparing 12 for this deposition, right? 13 A. Yes, I reviewed his rebuttal 14 report. 15 Q. Okay. So does your opening 16 report contain all of your opinions about 17 secondary consideration in this case? 18 A. It contains all of my opinions 19 prior to Dr. Wereley writing his rebuttal 20 report. 21 Q. Okay. What other opinions 22 about secondary consideration do you have? 23 (Witness perusing document.) 24 MR. HILLIER: If we need to 25 take a break for him to read his report, we Page 235	1 family is irrelevant because we are talking 2 about the claims of the '187 patent. He is 3 referring to some kind of nexus that's to a 4 patent that is different. 5 And the next one, in terms of 6 long-felt need and skepticism, he refers 7 again to the Time Magazine article, which 8 is not clear to which device is even being 9 discussed in that article, and, again, 10 doesn't create a nexus or a claim-by-claim 11 analysis with such device and the '187 12 claims. 13 The copying section, which I 14 find interesting that he mentions 15 Spectrum's patent, the '867 patent, which 16 actually references the '187 patent and the 17 '646 patent, and specifically even stars 18 one of the patents as being considered and 19 discussed during the prosecution of the 20 patent and was cleared in light of the two 21 pieces of prior art, which I think supports 22 the fact that there wasn't any copying, 23 there wasn't any evidence also of any 24 copying either in e-mails or any 25 discussions of copying things from either Page 237

60 (Pages 234 - 237)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 60
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 60 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 an application or any other prior Genotek 2 device. 3 Again, there is other 4 statements, continued use of unrelated 5 patents to support secondary 6 considerations, which I think is not 7 proper. 8 Q. Are you referring, what, to the 9 copying section? 10 A. Yes, the copying section. 11 Q. Paragraph 149 of Dr. Wereley's 12 report? 13 A. Yes, and 148 that talks about 14 the patents that share the same 15 specification and stem from the same 16 provisional. That's not what is considered 17 when looking at a nexus or even copying for 18 that example, there is no evidence that 19 there was any copying that was done to come 20 up with the device of the '867, and the 21 fact that the -- I mean, coming up with the 22 device that is actually described within 23 the 11,284,867 patent which was cleared of 24 all this prior art when it was granted. 25 Q. Do you have any other opinions Page 238	1 A. Other than that I don't agree 2 with them for the reasons that I mentioned, 3 and, again, I reserve the right to bring up 4 other issues if I'm asked during either 5 direct or cross. 6 Q. How many e-mails did you review 7 to determine, if any, that there is no 8 copying, no evidence of copying in e-mails, 9 and which ones are they? 10 A. Well, so, first, it would be 11 Dr. Wereley's burden and be beneficial to 12 his client to find those e-mails and 13 present those e-mails that showed copying. 14 I've had cases where you can see e-mails 15 that say they literally looked at something 16 and copied a certain portion, and he did 17 not present any e-mails to that effect, and 18 I even asked about it with counsel and they 19 said that there weren't any e-mails that 20 they were aware of. 21 Q. Did you ask for other documents 22 besides e-mails to show copying? 23 A. I've asked for a lot of 24 documents to do these two reports. As you 25 can see, there is a long list of documents Page 240
1 other than the ones you just listed? 2 MR. ZOVKO: Objection, form. 3 Q. Do you have any other opinions 4 in response to Dr. Wereley's rebuttal 5 report other than the ones that you have 6 just listed? 7 MR. ZOVKO: Objection, form. 8 A. I don't agree with his analysis 9 in trying to come up with copying of the 10 funnel and the tube are the same. There 11 has been tubes and sample collection 12 devices for decades, and the use of a 13 funnel has been used, so I don't consider 14 that copying and I don't agree with that 15 analysis or that kind of a nexus to 16 determine copying. 17 That's all I can see from 18 reviewing this and to my memory, but I 19 reserve the right to bring up any other 20 issues at court should I be asked. 21 Q. Sitting here today you don't 22 have any other opinions to offer in 23 response to Dr. Wereley's rebuttal report 24 about secondary considerations of 25 nonobviousness? Page 239	1 I have reviewed. I don't recall any other 2 documents in terms of support of this other 3 than the patents to make the opinions that 4 I did not see the nexus or relationship of 5 the devices he was discussing with the 6 accused or the asserted patents. 7 Q. And you don't specifically 8 recall asking for non-e-mail documents 9 relevant to copying? 10 A. I asked the general statement, 11 was there any evidence of copying, and 12 that's usually in an e-mail or in some kind 13 of CAD drawing or something, and they said 14 there was -- in fact, I think I asked a 15 couple of times and I didn't receive any 16 evidence. 17 But, again, that's -- it's my 18 understanding it is Dr. Wereley's burden to 19 find that evidence, and then for me to then 20 analyze it and determine whether that's 21 accurate or not. But neither one of us 22 found any that I can see. 23 Q. So you didn't -- you asked 24 repeatedly for evidence of copying and were 25 told by Spectrum's counsel that there is Page 241

61 (Pages 238 - 241)

Veritext Legal Solutions
866 299-5127

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 none; is that right? 2 MR. ZOVKO: Objection, form. 3 I'm going to object, privileged too. I 4 instruct the witness not to answer or 5 reveal communications of counsel unless 6 they relate to facts counsel has 7 provided or any assumptions. 8 Q. Did counsel tell you there are 9 no facts supporting copying and thus there 10 are no documents to give you? 11 MR. ZOVKO: You can testify as 12 to facts counsel provided to you, but 13 not communications with counsel. 14 That's privileged. 15 A. I did not see any evidence, 16 again, of copying. And, again, Dr. Wereley 17 did not present any that, other than what 18 he has in his report, and there is nothing 19 that he discusses regarding any e-mails or 20 documents that support copying. 21 Q. Did you review any Excel 22 spreadsheets to analyze whether there was 23 copying by Spectrum in this case of the 24 '187 patent? 25 A. I don't think Dr. Wereley Page 242	1 Q. Was it this year, 2023? 2 A. I don't think it was this year. 3 I think it was sometime last year. With 4 COVID, I mean, the years now like flow into 5 each other, so I don't recall. 6 Q. Was it after COVID lockdowns? 7 A. I think so, yes. 8 Q. And you think it was probably 9 in 2022? 10 A. I don't, again, I don't recall 11 the dates. 12 Q. Do you recall if it was before 13 or after the claim construction order 14 issued? 15 A. It was before the claim 16 construction order. I believe it was even 17 before the briefs. 18 Q. Before claim construction 19 briefing? 20 A. Correct. 21 Q. Were you asked to give a 22 declaration in support of claim 23 construction? 24 A. No. 25 Q. Were you surprised not to be Page 244
1 presented that evidence, so I did not look 2 at that evidence. I mean, I wouldn't be 3 surprised if there was some benchmarking. 4 So you have to be careful when you are 5 benchmarking against other products that 6 you're not considering that copying. But, 7 regardless, I did not see Dr. Wereley 8 present such evidence that I could opine on 9 it. 10 Q. Why do you have to be careful 11 as an expert witness not to consider 12 benchmarking to be copying? 13 A. Because -- well, first off, if 14 this Excel spreadsheet, like when you 15 brought up the AboGen document, Exhibit 12, 16 you have to be careful to look at the date 17 of such information. Like the AboGen 18 document is in 2014, which would be after 19 the dates of the patents. The spreadsheets 20 might have the same issue. They might have 21 dates that are after the patents or after 22 the invention of the Spectrum device. 23 Q. When did you become aware of 24 this lawsuit? 25 A. I don't recall the date. Page 243	1 asked to give a declaration in support of 2 claim construction? 3 A. No. 4 Q. Who did you first talk to when 5 you learned about this lawsuit? 6 A. Like I said, I'm not good with 7 names. I think it was Brandon. What's his 8 last name again? 9 Q. Brandon Smith? 10 A. Yeah, I think -- or it was -- 11 or it was Nick. I don't remember who 12 contacted me first. 13 Q. Okay. Had you heard of 14 Spectrum before you were contacted by 15 Brandon Smith? 16 MR. ZOVKO: Objection, 17 foundation. 18 Q. I will say it again. 19 Before Spectrum contacted you 20 to be an expert witness in the case, did 21 you know about Spectrum Solutions? 22 A. I had heard the company name. 23 You know, I'm aware of the devices that are 24 out there, you know, and their purposes and 25 use, especially Ancestry.com, I know my Page 245

62 (Pages 242 - 245)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 62
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 62 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 mother used one of the devices and I saw 2 her results. 3 Q. Did you see her use the device? 4 A. No. 5 Q. Were you surprised to learn 6 about the lawsuit against Spectrum 7 Solutions? 8 A. After reading the patents, yes. 9 Q. What about before you read the 10 patents? 11 A. I don't think I was -- had any 12 emotion either way. I just said okay, 13 well, you know, please send me the patents, 14 I will see if I'm comfortable being an 15 expert for this case, because I don't 16 always accept cases if I'm not comfortable 17 with them, and then I was surprised, and, 18 like I said, I was surprised that the '187 19 wasn't dropped after the claim construction 20 order. 21 Q. Are you familiar with any other 22 products that Spectrum sells besides the 23 SDNA line? 24 A. I know they sell some other 25 products; I'm not as familiar with them. Page 246	1 interest in Spectrum Solutions L.L.C.? 2 A. No. 3 Q. Do you have any financial 4 interest in DW Healthcare Partners? 5 A. No. 6 Q. Besides your hourly rate as an 7 expert, do you have any financial interest 8 in the outcome of this case? 9 A. No. 10 Q. Have you spoken with -- 11 A. And I don't really look at the 12 hourly rate as an interest. 13 Q. I understand. 14 A. I put my credibility way ahead 15 of the hourly rate. 16 Q. Have you spoken with anyone 17 besides Spectrum's counsel or individuals 18 at Spectrum about this lawsuit? 19 A. Can you repeat that, please? 20 Q. Have you spoken with anyone 21 besides Spectrum's counsel or individuals 22 at Spectrum about this lawsuit? 23 A. Only Dr. Puglisi. 24 Q. And so you haven't spoken to 25 any other experts besides Dr. Puglisi about Page 248
1 Q. Are you familiar with DW 2 Healthcare Partners? 3 A. I have heard the name, yes. 4 Q. How have you heard the name DW 5 Healthcare Partners? 6 A. I don't recall. 7 Q. What's your understanding of 8 who DW Healthcare Partners is? 9 A. I believe they are a 10 distribution company of some medical 11 devices. I don't think they manufacture 12 anything or develop anything, I'm not sure 13 though. 14 Q. Are you aware that DW 15 Healthcare Partners has a relationship with 16 Spectrum? 17 A. I understand that's the case, 18 yes. 19 Q. And what's your understanding 20 of the relationship between DW Healthcare 21 Partners and Spectrum? 22 A. I'm not sure. I think there is 23 some distribution arrangement, but I'm not 24 sure. 25 Q. Do you have any financial Page 247	1 this lawsuit? 2 A. That's correct. 3 Q. Have you spoken with anyone 4 about your engagement as an expert in this 5 case besides Spectrum's counsel or 6 individuals at Spectrum? 7 A. Well, only the internal 8 counsel, because then I was asked to do 9 another case from the same law firm, so 10 just with them to know that the two cases 11 are going on to make sure there is no 12 conflict or issues. 13 Q. So Knobbe Martens asked you to 14 be an attorney -- sorry, withdrawn. 15 Knobbe Martens asked you to be 16 an expert in another patent case that 17 Knobbe Martens has? 18 MR. ZOVKO: Mr. Leinsing, I 19 caution you not to reveal the substance 20 of communications you had with counsel. 21 That is protected except for very 22 limited circumstances. 23 A. Yeah, I can't say what the type 24 of case is, but it is just another case 25 with the same law firm. Page 249

63 (Pages 246 - 249)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 63
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 63 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 Q. So Knobbe Martens, who is 2 representing Spectrum Solutions, has hired 3 you to work on another case? 4 A. Yes, I'm working on another 5 matter. 6 Q. Is your engagement in that case 7 known to anybody outside of Spectrum 8 Solutions or Knobbe Martens? 9 A. Well, Spectrum doesn't know 10 anything about it. Only the attorneys for 11 Knobbe Martens, and I don't even think they 12 really even knew much, because when I 13 mentioned it in making sure the schedules 14 were working, they didn't even remember 15 that I was working on it, or at least 16 remember I was working on it at the same 17 time. 18 Q. Your CV lists a number of cases 19 in which you have testified; is that right? 20 A. Yes. 21 Q. Other than the Spectrum case, 22 none of these other cases involved saliva 23 preservation devices, correct? 24 A. No, but they do involve 25 disposable medical devices that involve, Page 250	1 work as an expert witness? 2 A. I couldn't answer that. I 3 would say, just on average, 25, 35 percent 4 of the time. I'm actually trying to cut 5 back and retire. I'm in my late 50s. 6 Q. Is all the information in your 7 CV accurate? 8 A. I think it is accurate. 9 Sometimes there is typos or things, I make 10 corrections, but at least as of the date 11 that's on the bottom where it says 12 "printed," it would be I would say 13 relatively accurate to that date. 14 Q. And this says it was printed on 15 January 23rd, 2023; is that right? 16 A. Yes, in my rebuttal report. 17 Q. Correct, yeah. Is there 18 anything that needs -- that you would like 19 to -- withdrawn. 20 In order for this document to 21 remain an accurate representation of your 22 CV as of today, is there anything that you 23 wish to update? 24 A. Let's see, the number of 25 patents with 39 is still accurate. There Page 252
1 you know, fluids and valves and other very 2 similar aspects. 3 Q. How many cases have you worked 4 on as a hired expert for Knobbe Martens? 5 A. I think just two as best I 6 recall. 7 Q. But it's possible there were 8 more, but you can't remember right now? 9 A. It is possible, but unlikely. 10 I think I would remember this guy's face. 11 MR. HILLIER: I think it is a 12 compliment. 13 THE WITNESS: That was a 14 compliment. 15 Q. How many hours a week do you 16 spend on average on expert work? 17 A. I would say approximately 25 18 percent of my time. I currently have two 19 medical device projects that I'm -- 20 inventions that I'm working on. 21 Q. So 12 hours a week? 22 A. It depends on the week. Some 23 weeks it's a lot and then some weeks or 24 many weeks it's nothing. 25 Q. How many hours per year do you Page 251	1 might be some testimony or I think maybe -- 2 I think I did another deposition since 3 then. No, actually it says the deposition. 4 So I don't see anything that would need to 5 be updated. 6 Q. And which deposition is that 7 that you were referring to? 8 A. I was thinking of the Stryker 9 versus OsteoMed case, that's the third case 10 on page 6 of my CV, I did a deposition not 11 too long ago, so it must have been just 12 before the January date. But it says 13 deposition, so I already included that. It 14 already has the patents. And I'm still 15 working on the same medical devices. 16 So I don't think there is 17 anything that would change, but I would 18 have to go and look at my current CV to see 19 that for sure. 20 Q. Do you use your -- withdrawn. 21 Do you have a LinkedIn profile? 22 A. I believe I do, yes. 23 Q. Do you maintain that? 24 A. Not really. 25 Q. When is the last time you Page 253

64 (Pages 250 - 253)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 64
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 64 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 looked at it? 2 A. I get e-mails about it all the 3 time and I ignore it. It has probably been 4 years. 5 Q. Was it accurate at the time 6 that you stopped looking at it a few years 7 ago, a year ago, whenever it was? 8 A. I think mostly it was accurate. 9 I mean, there might be some typos or 10 something written in it, but I think it is 11 pretty accurate. I was updating for I 12 think patents that we had granted, but I 13 just don't find it -- I find it kind of a 14 waste of time. 15 Q. Did it accurately reflect your 16 work history? 17 A. At the time, I think so. 18 Q. Let's take a look. 19 (Leinsing Exhibit 23 marked for 20 identification.) 21 Q. This next exhibit will be No. 22 23. Do you recognize this exhibit as your 23 LinkedIn profile? 24 A. Yes. Yeah, that's an old 25 picture. Page 254	1 and realized I needed to pull the name 2 "engineering" out of the name otherwise the 3 company has to have an engineering license, 4 which I really didn't need as a medical 5 device professional. 6 Q. Is your engineering license 7 still active? 8 A. Yes. 9 Q. So why did you remove the name 10 "engineering" if you didn't need the 11 license as a, quote, "medical engineering 12 professional"? 13 A. Because I kept getting calls to 14 design buildings, and when it says 15 "engineering," they think you're like a 16 welder, construction guy, builder, 17 contractor, and it was I think misleading 18 to my customer base. 19 Q. You don't disclose your 20 employment at ATech Designs on your CV in 21 this case, do you? 22 A. Yes, I do. It's the first -- 23 ATech Designs is the first, it's on page 1. 24 Q. My question should have been 25 more carefully written -- spoken. But your Page 256
1 Q. Is that you by a helicopter? 2 A. Yes. 3 Q. Do you fly helicopters? 4 A. Yes, I do. 5 Q. It says that you are an expert 6 witness at ATech Designs since 2005? 7 A. Where are you reading that? 8 Oh, at the top, yes, since 2005, yes, 9 that's correct. I think my first case 10 though was actually 2006. I think 2005 is 11 when ATech Designs was founded, or actually 12 made -- incorporated. 13 Q. Would you please turn to your 14 experience on I think it is page 2 of this 15 document. 16 A. Okay. 17 Q. This says that you have worked 18 at ATech Designs since 1998; is that right? 19 A. Yes. It was -- it was 20 part-time -- we used to be called 21 Innovative Engineering. I don't know if it 22 says that. I started it in North Carolina. 23 It was Innovative Engineering and then the 24 name changed to ATech in 2005 because I 25 moved from North Carolina to New Hampshire Page 255	1 CV doesn't say that you have worked at 2 ATech Designs since 1998, does it, it says 3 2006? 4 A. Oh, yeah, because I don't -- I 5 don't -- that whole transition of 6 Innovative Engineering, so under the legal 7 name of ATech Designs Incorporated, which 8 was incorporated in 2006, and then if you 9 look at the first line, it explains the 10 1998, it says "Medical device and product 11 consulting since 1998," and I write 12 "formerly Innovative Engineering in North 13 Carolina." So I try to explain it better 14 there. 15 Q. Are there any other 16 discrepancies in your CV and your LinkedIn 17 profile that you would like to address? 18 MR. ZOVKO: Objection, form, 19 foundation. 20 A. I mean, I don't consider any 21 discrepancies. Like I said, I think I 22 described what the 1998 date aligns up with 23 1998 in my CV and I explain it I think 24 better in my CV. But other than what I 25 needed to do to help you see that, I don't Page 257

65 (Pages 254 - 257)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 65
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 65 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

1 know of any other -- any other things that 2 I would need to explain to you more, but 3 I'm happy to do so if you will point them 4 out to me. 5 Q. And you agree that a person of 6 ordinary skill in the art can possess both 7 chemistry and mechanical aspects that you 8 have proposed for your definition of a 9 person of ordinary skill in the art with 10 respect to the '187 patent; is that right? 11 MR. ZOVKO: Objection, form. 12 A. Yes, it is possible that a 13 single person could possess those two 14 skills, it's rare, but it is possible. 15 Q. And could a single person 16 possess the same skills appropriate to the 17 person of ordinary skill in the art for the 18 '646 patent? 19 A. Yes, a single person could have 20 the two different skills for a person of 21 skill in the art that I think both 22 Dr. Wereley and I outline; it is rare, but 23 that's why I think we both have a team sort 24 of approach on a person of skill in the 25 art. Page 258	1 opinions? 2 A. No. 3 MR. HILLIER: Well, thank you 4 very much for your time, and I hope you 5 have a safe flight home. I don't have 6 any further questions. 7 THE WITNESS: You're welcome. 8 Thank you. 9 MR. ZOVKO: I have no 10 questions. The witness will reserve 11 his right to review and sign the 12 transcript upon receipt. 13 THE VIDEOGRAPHER: This 14 concludes today's testimony given by 15 Karl Leinsing as stipulated by all 16 parties. The total number of media 17 units used was five and will be 18 retained by Veritext Legal Solutions. 19 Off the record at 17:59. 20 21 22 [TIME NOTED: 5:59 p.m.] 23 24 25 Page 260
1 MR. HILLIER: Okay, thank you. 2 Let's take a break, and I think I will 3 be able to wrap up. 4 THE VIDEOGRAPHER: Off the 5 record at 17:35. This marks the end of 6 media unit number four. 7 (Recess taken.) 8 THE VIDEOGRAPHER: On the 9 record at 17:58. This begins media 10 unit number five. Please proceed. 11 BY MR. HILLIER: 12 Q. Did you speak with your 13 attorney during the break? 14 A. Yes. 15 Q. And what did you talk to him 16 about? 17 A. How good the dessert cookies 18 were, flying, visiting factories with his 19 sons, and that's all I recall. 20 Q. Did you talk about your 21 testimony? 22 A. No. 23 Q. Did you talk about this case? 24 A. No. 25 Q. Did you talk about any of your Page 259	1 I N D E X 2 3 WITNESS EXAMINATION BY PAGE 4 LEINSING HILLIER 5 5 6 7 E X H I B I T S 8 LEINSING DESCRIPTION PAGE 9 10 Exhibit 1 Video Bates stamped 23 11 SPCTMG0192592 12 Exhibit 2 SPCTMG0155176-0155178 30 13 Exhibit 3 SDNA-1000 product 32 14 Exhibit 4 Instructions for Use 33 15 from the SDNA-1000 16 product 17 Exhibit 5 SPCTMG0097388-0097397 47 18 Exhibit 6 SPCTMG0129378 56 19 Exhibit 7 U.S. Patent 10,619,187 61 20 Exhibit 8 Rebuttal Expert Report 62 21 of Karl R. Leinsing 22 Exhibit 8A Rebuttal Expert Report 92 23 of Karl R. Leinsing 24 in color 25 Page 261

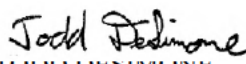
66 (Pages 258 - 261)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 66
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 66 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 EXHIBITS 2 LEINSING DESCRIPTION PAGE 3 4 Exhibit 9 Opening Expert Report 92 5 of Karl R. Leinsing 6 Exhibit 10 U.S. Patent 11,002,646 92 7 Exhibit 11 U.S. Patent Application 142 8 2003/0025327 9 Exhibit 12 DNAG_SPEC00092433- 151 10 00092465 11 Exhibit 13 SPCTMG0022183-0022196 161 12 Exhibit 14 SPCTMG0021822-0021824 169 13 Exhibit 15 SPCTMG0021903-0021908 178 14 Exhibit 16 International 182 15 Application WO 98/38917 16 Exhibit 17 U.S. Provisional 208 17 Application 60/386398 18 Exhibit 18 Bag labeled 216 19 Cross-Section 20 Exhibit 18A Box from Spectrum 216 21 product 22 Exhibit 18B Instructions for Use 216 23 Exhibit 18C Bag labeled Rough Cut 216 24 Exhibit 18D Bag labeled Polished 217 25 Cut Page 262	1 CERTIFICATION 2 3 I, TODD DeSIMONE, a Notary Public for 4 and within the State of New York, do hereby 5 certify: 6 That the witness whose testimony as 7 herein set forth, was duly sworn by me; and 8 that the within transcript is a true record 9 of the testimony given by said witness. 10 I further certify that I am not related 11 to any of the parties to this action by 12 blood or marriage, and that I am in no way 13 interested in the outcome of this matter. 14 IN WITNESS WHEREOF, I have hereunto set 15 my hand this 11th day of April, 2023. 16 17 18 19 20  21 TODD DESIMONE 22 23 24 25 Page 264
1 EXHIBITS 2 LEINSING DESCRIPTION PAGE 3 4 Exhibit 19 How a medical device 223 5 expert witness can 6 assist in a case 7 Exhibit 20 How to Be a Successful 229 8 Expert Witness: SEAK's 9 A-Z Guide to Expert 10 Witnessing 11 Exhibit 21 Chemical compatibility 230 12 and the SmartSite 13 needle-free valve 14 Exhibit 22 Expert Rebuttal Report 235 15 of Wereley 16 Exhibit 23 LinkedIn profile of 254 17 Leinsing 18 19 DIRECTIONS NOT TO ANSWER 20 Page Line 21 (NONE) 22 23 REQUESTS 24 Page Line 25 (NONE) Page 263	1 NICHOLAS M. ZOVKO, ESQ. 2 nicholas.zovko@knobbe.com 3 April 11, 2023 4 RE: DNA GENOTEK INC. vs. SPECTRUM SOLUTIONS L.L.C. 5 APRIL 6, 2023, KARL LEINSING, JOB NO. 5848819 6 7 The above-referenced transcript has been 8 completed by Veritext Legal Solutions and 9 review of the transcript is being handled as follows: 10 __ Per CA State Code (CCP 2025.520 (a)-(e)) – Contact Veritext 11 to schedule a time to review the original transcript at 12 a Veritext office. 13 __ Per CA State Code (CCP 2025.520 (a)-(e)) – Locked .PDF 14 Transcript - The witness should review the transcript and 15 make any necessary corrections on the errata pages included 16 below, notating the page and line number of the corrections. 17 The witness should then sign and date the errata and penalty 18 of perjury pages and return the completed pages to all 19 appearing counsel within the period of time determined at 20 the deposition or provided by the Code of Civil Procedure. 21 __ Waiving the CA Code of Civil Procedure per Stipulation of 22 Counsel - Original transcript to be released for signature 23 as determined at the deposition. 24 __ Signature Waived – Reading & Signature was waived at the 25 time of the deposition. Page 265

67 (Pages 262 - 265)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 67
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 67 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

HIGHLY CONFIDENTIAL - OUTSIDE COUNSEL ONLY

1 xx Federal R&S Requested (FRCP 30(e)(1)(B)) – Locked .PDF 2 Transcript - The witness should review the transcript and 3 make any necessary corrections on the errata pages included 4 below, notating the page and line number of the corrections. 5 The witness should then sign and date the errata and penalty 6 of perjury pages and return the completed pages to all 7 appearing counsel within the period of time determined at 8 the deposition or provided by the Federal Rules. 9 ___ Federal R&S Not Requested - Reading & Signature was not 10 requested before the completion of the deposition. 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 Page 266	1 RE: DNA GENOTEK INC. vs. SPECTRUM SOLUTIONS L.L.C. 2 KARL LEINSING (JOB NO. 5848819) 3 4 E R R A T A S H E E T 5 PAGE ___ LINE ___ CHANGE _____ 6 _____ 7 REASON _____ 8 PAGE ___ LINE ___ CHANGE _____ 9 _____ 10 REASON _____ 11 PAGE ___ LINE ___ CHANGE _____ 12 _____ 13 REASON _____ 14 PAGE ___ LINE ___ CHANGE _____ 15 _____ 16 REASON _____ 17 PAGE ___ LINE ___ CHANGE _____ 18 _____ 19 REASON _____ 20 PAGE ___ LINE ___ CHANGE _____ 21 _____ 22 REASON _____ 23 _____ 24 _____ 25 KARL LEINSING Date _____ Page 268
1 I declare under penalty of perjury 2 under the laws that the foregoing is 3 true and correct. 4 5 Executed on _____, 20____, 6 at _____, _____. 7 8 9 10 11 _____ 12 KARL LEINSING 13 14 15 16 17 18 19 20 21 22 23 24 25 Page 267	

68 (Pages 266 - 268)

Veritext Legal Solutions
866 299-5127

DNA Genotek Inc. Exhibit 2011 Page 68
Spectrum Solutions L.L.C. v. DNA Genotek Inc. IPR2022-01347

DNA Genotek Inc. - IPR2023-01424
Exhibit 2004 - Page 68 of 133
Spectrum Solutions L.L.C. v. DNA Genotek Inc.

[& - 17:04]

&	203:3 204:14	1000's 128:9	130 120:2
& 1:17 2:3 3:21	204:24 205:4	129:1	136 98:5,8
4:14 265:24	256:23 261:10	105 187:17,19	137 100:20
266:9	266:1	192:1,2,14	139 111:20
0	1.5 162:17,21	106 83:17	112:19 120:3,4
00092465	10 92:7 97:10	10:20 55:2	120:15
262:10	170:7 175:18	10:30 55:6	13:34 126:5
0192592 23:6	180:8 262:6	11 142:9,17	14 169:22,24
0516 1:3 3:20	10,619,187	176:23 177:2	262:12
1	261:19	177:20 180:8	142 262:7
1 1:25 23:1,2	100 2:5 40:15	202:8,17,20	148 183:3
23:24 29:10	40:18 41:23	262:7 265:3	238:13
35:16 43:25	42:7 186:13	11,002,646	149 238:11
44:7 64:5	187:2	262:6	14th 2:15
67:22 77:17,20	1000 30:3,24	11,284,867	157:12
78:12,15,23	40:6,13 42:5	238:23	15 144:21
79:16,23 80:1	48:2 56:5,14	110 71:20,21	147:12,14
80:8 81:3,7	63:11 65:2,15	72:2,7,12	178:2,3,5
82:8 85:24	66:9,14,19,24	114 76:2,19,23	262:13
86:1,2 88:20	67:5 68:4,14	77:14	151 262:9
88:22 126:11	68:23 69:8	11:24 92:1	15:15 181:20
127:4 131:5	83:1,5 84:4	11:51 92:10	15:32 181:24
136:21,25	100:21 109:21	11th 264:15	16 182:10,15
137:1,6,10,11	118:17 127:1,6	12 135:18	262:14
154:25 164:1,1	127:17,21	151:12,14	161 262:11
164:15,23	128:2,22 129:7	184:5 243:15	169 262:12
173:3 175:1,9	129:12 130:4,6	251:21 262:9	16:29 216:17
176:25 177:21	130:16,20	12531 2:4	16:33 217:5
182:24 183:2,8	131:14 132:25	126 183:17	17 208:9,10,12
184:24 185:3	133:9,20,24	12:42 125:20	262:16
190:22 192:21	135:23 136:5	125:22	178 262:13
194:23 195:16	137:20 138:21	13 135:5	179 202:20
200:17,22	218:3 219:2	161:19,22	17:01 236:11
201:10,21	261:13,15	202:22 262:11	17:04 236:14

[17:35 - 24]

17:35 259:5	214:22 215:2,6	2	2014 243:18
17:58 259:9	232:20 237:2	2 30:15,16	2019077 34:5
17:59 260:19	237:11,16	33:20,23 34:4	2020243 34:7
18 216:19	242:24 246:18	34:9,12 48:5,9	34:17
217:12,22	258:10	155:21 162:10	2022 244:9
218:16 262:18	18a 216:21	163:2 173:6,7	2023 1:22 3:3
182 262:14	217:19 218:8	173:13 174:19	244:1 252:15
187 10:19	262:20	189:3 208:22	264:15 265:3,5
29:10 36:22	18b 216:23	208:22,25	2025.520
39:11 44:2,9	218:1,1 262:22	227:22 255:14	265:10,13
45:3,18 46:7	18c 216:25	261:12	2040 2:14
51:10 54:10	218:11,25	2,773,591	208 262:16
61:18,22 62:11	219:1 220:12	169:23	21 230:24,25
64:5 67:8	220:16 262:23	2.0 34:17	231:3,15
73:21 76:3,7	18d 217:2	2.0. 34:7	263:11
76:13 77:1,6	218:19 219:1	2.5 162:17,21	216 262:18,20
77:15,20 79:24	219:23,25	20 183:6 229:9	262:22,23
80:8 81:7 83:9	262:24	229:10,13	217 262:24
87:1 88:10	19 204:25	263:7 267:5	22 171:8,25
96:3,10,11	205:5 223:12	2000 40:6,13,22	173:2 174:12
156:15 157:22	223:13,15	2001 143:10	235:8 263:14
176:7,11,21,24	227:22 263:4	2002 141:4	223 263:4
177:2,23 180:4	1956 169:23	156:19,24	22648 189:5
180:5,23 181:1	1990s 141:3	197:10	229 263:7
188:21 189:15	1992 141:4	2003 143:13	23 67:9,21,22
190:19 192:13	1995 225:21	2003/0025327	80:16,20
192:22 193:8	226:24 227:1	142:12 262:8	184:11 254:19
200:7,17,22	1998 255:18	2005 255:6,8,10	254:22 261:10
201:7 203:4,17	257:2,10,11,22	255:24	263:16
203:25 204:5	257:23	2006 255:10	230 263:11
204:25 205:5	1:34 126:2	257:3,8	235 263:14
205:13 206:19	1st 156:25	2011 139:1,6	23rd 252:15
208:19 211:16		141:5 157:21	24 67:8,20 68:5
212:17,17		2012 157:12	68:15 69:15
213:23 214:11			73:1,6,16,18

[24 - 8]

80:22 83:16 89:25 25 251:17 252:3 250 1:18 3:22 254 263:16 26 11:22 12:7 116:20 118:16 119:16 267 163:24 164:3,4,15,24 268 1:25 167:20 27 183:6,10 184:5 270 164:5,16,24 28 84:13 87:1 88:9 89:9 90:1 90:5 29 157:19	31 170:8 32 261:13 327 143:1 33 183:6 261:14 34 173:6,8 343 169:10 173:4 344 173:4 35 252:3 3879 264:20 39 146:21 252:25 398 206:12 207:16,25 208:13,15 211:14 3:21 1:3 3:20	470 203:2 48 171:8,25 172:25,25 173:2 174:12	61 261:19 62 261:20 646 39:12 96:10,17 97:9 102:20 115:2 123:23 126:11 127:3 129:1 130:10 131:8 131:21 132:9 134:7,17,23 135:18 136:15 136:21 137:1,2 137:11 139:11 141:17 142:14 149:5,24 151:18 152:5 153:19 157:4 157:11 158:24 159:22 200:8 237:17 258:18
3	4	5	65 185:2 6th 3:3
3 32:5,6 170:7 173:1,2 175:17 176:25 177:21 187:5,18 192:2 192:15,15 208:24 211:19 225:15 261:13 30 35:18 36:10 141:24 146:11 151:16 154:4 222:13 261:12 266:1 3000 40:6,14,22 42:5	4 33:6,7,12,16 33:19,23 34:13 34:22 35:5 202:21 261:14 4,000 143:3 144:25 4,102,451 178:6 41 173:6 174:19 45 5:13 464 192:25 193:2 201:4 202:7 469 206:16 47 6:8,10 261:17	50 5:13,15 6:2 63:2,8 173:9 224:17 500 150:21 50s 252:5 51 173:9 55th 1:18 3:22 56 261:18 5848819 1:24 265:5 268:2 5:59 260:22	7
		6	7 61:19,23 62:10 261:19 70 187:9 700 150:21 7th 156:18,22 156:24 157:1
		60/386397 205:12,20 60/386398 208:13 262:17	8
			8 62:6,6,8 70:7 70:12 72:4 97:16 204:25 205:5 261:20

[80 - addition]

80 187:7	ability 144:9	accused 16:22	136:20 138:11
800 150:23	179:15	18:6 76:14	138:11 145:4,6
867 237:15	able 20:11 60:8	77:10 84:15	145:6 147:8,14
238:20	137:17,19	88:8 200:15	153:12 154:11
8a 92:3 97:14	174:2 180:7,21	241:6	169:9 180:4,5
97:16 261:22	181:1 259:3	achieved 89:10	180:7 181:1
9	abogen 149:16	acid 60:12,23	209:20 222:16
9 92:5 97:5,7	149:18,25	acting 105:25	224:25 225:5
262:4	151:4 154:19	200:10	228:16 231:6
92 261:22	154:21 243:15	action 4:3	232:7 237:16
262:4,6	243:17	27:12 28:8	238:22 252:4
92130 2:6	above 35:16	47:19 92:17	253:3 255:10
92452 154:10	153:2 154:25	104:3 106:2,11	255:11
92453 154:11	167:11 265:7	106:11,16,17	actuator 171:3
92454 154:23	absolute	107:4,24 108:8	171:6,13,16
92455 155:19	146:14,17,20	108:18 109:5	179:10,23
92459 156:2	abstract 226:4	109:17 110:11	180:9,16,19,25
92614 2:16	226:10	113:13,18	181:6,7,11,12
98 83:17	accept 162:18	121:21 122:1	185:24 186:1
98/38917	246:16	156:7 209:2	186:19 187:13
262:15	accepted 83:22	264:11	187:15,17,21
9838917 182:16	accommodate	activate 174:8	188:18 189:24
99 69:24 70:2	132:15,19,21	active 256:7	194:1,5,14
70:17 82:5	accomplish	acts 69:8	adapters 158:5
83:13	172:1	actual 31:25	add 50:23 96:7
9:05 1:22 3:3	accordance	33:10,14,18	176:14
9:29 23:17	48:12 49:1	68:17 119:21	added 59:5,7
9:32 23:20	accurate 20:9	146:25 199:17	160:1
a	70:12 72:2	206:3 225:1,3	adding 179:5
a&t 226:17	241:21 252:7,8	actually 20:18	181:3
a.m. 1:22 3:3	252:13,21,25	25:4,6 32:3,22	addition 37:4
abilities 154:1	254:5,8,11	37:8 48:24	165:1,3 179:13
191:16	accurately	109:12,13	179:20 223:25
	254:15	112:9 119:11	224:5
		119:14 125:16	

[additional - anybody]

additional 11:12 97:12 181:3 234:22 address 229:19 257:17 adjacent 128:13 advise 37:12 advises 5:18 affiliations 4:10 affirmative 141:21 agent 176:9 ago 15:18 17:24 20:3,12 253:11 254:7,7 agree 3:9 39:24 40:2 55:15,19 63:11 65:2,15 65:25 66:8,13 66:19,23 67:4 71:5 74:14,18 75:16 77:17 98:14,19 108:13 126:14 128:8,23,25 130:6 134:4,6 135:10 162:9 163:1,10 168:17 170:14 170:17 173:15 188:9 189:3 190:8 204:3 210:15 229:7	239:8,14 240:1 258:5 agreed 41:14 agrees 101:11 ahead 122:17 179:19 204:12 208:5 248:14 air 146:4 176:13 al 178:7 alan 2:8 alaris 6:22 232:8,10 albeit 115:8 aligns 257:22 allegations 37:14 allegedly 216:7 allow 52:13 221:8 allowed 161:17 187:10 allowing 209:4 allows 173:16 224:6 alternative 174:3 ambient 144:16 amount 8:23 122:2 149:22 189:16 analysis 38:25 43:25 44:3,7 44:10 45:14,16 45:16 46:18	49:24 57:17,22 82:14,16 83:21 84:2 85:5 113:11 116:3 126:13 127:25 129:17,25 141:15 160:8 208:2 223:6 224:7,13,14,23 237:11 239:8 239:15 analyze 45:2,7 241:20 242:22 analyzed 69:12 ancestry 18:23 ancestry.com 245:25 andrews 151:17,20 152:4 annular 95:23 96:1,2,4,8,9 112:8 115:1 123:23 124:1 130:7,10,12 131:7,20 132:5 134:22 135:8 139:2,3,7,25 140:21 143:18 144:14 147:5 147:24 148:4 148:12 151:22 152:7 153:10 154:1 159:1 198:16	answer 5:16,19 5:22 14:19 20:9 21:12 32:19 40:11 52:16 60:14,15 61:15 63:20,22 64:16 69:21 70:3 74:22 79:2 86:25 87:9,10,19 89:12 94:7,11 95:12 96:8 101:23 116:22 116:24 118:2 121:10 124:5 127:10 132:2 152:22 211:13 216:5,7 234:18 242:4 252:2 263:19 answered 11:24 64:15 79:1 110:6 117:22 127:13 210:14 233:23 answering 51:23 62:14 87:23 91:20 answers 58:10 93:11 97:18 131:24 180:17 229:6 anybody 21:21 148:6 212:20 213:3 221:10
---	--	--	--

[anybody - asking]

250:7	approach	arguments	180:11,13
anymore	258:24	153:18 193:3	181:4,5 186:9
122:21	approaches	arrangement	186:23,24
apologize	133:11	247:23	187:23 191:15
127:14	appropriate	arrives 24:9	191:17 197:14
appear 48:1	25:14 26:2	arrow 72:18	210:7 214:2,16
129:23	88:1 91:20	art 11:10,12,17	215:5 237:21
appearances	258:16	12:17,17,19,21	238:24 258:6,9
4:8,10	appropriately	12:24,25 13:3	258:17,21,25
appearing	122:11	13:8,8,9,13,14	art's 47:6
265:19 266:7	approximate	13:15,16,20,23	article 223:16
appears 116:2	7:25	13:24,25,25	223:25 227:5
appendix 149:7	approximately	14:3,5,9,12,17	227:11 237:7,9
application	5:13 6:8 17:24	14:18,21,22,23	aside 37:7
111:5 121:4,16	144:22 251:17	14:24,24 15:1	asked 10:8,14
166:24 192:12	april 1:22 3:3	15:3,6,9,12,22	11:9,11,16
205:11,19	264:15 265:3,5	16:6,14 39:11	16:16,21 29:3
206:4,9,21,24	arch 170:15,19	39:16,25 46:11	29:18 51:21
208:14,16	171:18,20	46:16 78:6	58:11 61:25
211:7,14,18,21	172:3,17 174:8	86:18 88:15	62:1 79:1
211:23 212:6,7	175:19 177:20	89:2 90:4,11	87:21 99:20
212:16 215:2	arched 177:3	90:17 91:10	207:14 228:14
238:1 262:7,15	177:24	134:25 137:6	233:23 239:20
262:17	area 66:2 67:1	137:15 138:16	240:4,18,23
applications	128:6 164:11	140:25 141:9	241:10,14,23
142:24	167:11	142:6 148:16	244:21 245:1
applied 81:19	areas 76:10	149:14 152:1	249:8,13,15
101:15	86:21 143:20	157:10 159:5	asking 20:7
apply 81:12	203:17	163:16,20	58:6,9 61:3,11
120:25	arguing 206:17	166:8,22	62:18,22 63:24
applying 81:5	argument	167:17 168:11	126:12 132:4
141:15 180:15	195:19 206:15	168:21 171:21	162:23 196:6
appreciate	argumentative	172:7,19	207:12 215:16
157:16 234:19	216:13	174:11 175:25	234:19 241:8
		178:16 179:11	

[aspect - bag]

aspect 21:1,9 40:2 69:8 aspects 15:6 36:7 96:21,22 160:12,13,16 161:13 175:23 177:19 190:10 251:2 258:7 aspirating 145:16 assembly 69:9 116:10 asserted 9:22 10:15 14:25 15:4 16:18,23 43:4 124:10 200:15 241:6 assigned 7:13 assist 223:17 227:7 263:6 associated 95:16 98:10,15 98:20,22 99:10 99:13,18 100:9 100:11,23 101:4,7,19 103:21 107:6 111:16 112:6 112:18 114:12 115:21,22,24 116:6,10,14,16 117:2,6 118:8 119:4,8,22,24 120:8,10 124:11 131:18	associates 101:2 association 98:25 99:4 102:22,25 104:8,10,16 106:22,24 107:9,13,17,21 110:23 111:1,6 111:10,13,19 111:21,22 112:3,11,13,21 112:21 113:4,8 113:11 114:4,7 115:12,17 117:15,17 118:11 119:19 121:5,15,17 122:8,10,25 124:2 136:23 137:3 142:8 associations 117:20 120:12 120:14,16,18 121:8,13,14 assume 207:25 assuming 122:10 162:3 assumptions 37:19 242:7 atech 221:20 255:6,11,18,24 256:20,23 257:2,7	atmosphere 147:6 atmospheric 146:13,18 attach 31:11,15 31:19 35:6,10 74:23 172:4 190:4 attached 24:24 31:17 32:22 35:11,12 42:16 43:18,23 51:7 53:6,7 54:9 118:22,25 181:8 attachment 189:23 attempts 26:7 attention 35:17 attorney 4:12 37:17 38:6 97:23 207:11 249:14 259:13 attorneys 2:7 2:17 9:4,6 148:22 250:10 audio 3:7 august 143:9 author 228:12 228:21 authored 230:12,21,22 authors 230:4 automatically 172:13	average 251:16 252:3 avoid 54:10 187:2 214:16 avoiding 214:2 awards 150:5 aware 152:16 159:17,18,20 160:24 240:20 243:23 245:23 247:14 b b 86:2 149:7 164:1,15,23 208:23 261:7 262:1 263:1 266:1 babitsky 230:8 back 37:9 45:19 46:8 52:15 58:23 59:14 60:8,10 86:5 108:14,15 120:1 133:22 141:2 147:6 169:1 181:5 252:5 background 13:2 143:7 151:9 bad 20:4 39:7 155:11 bag 208:24 209:1,4 217:13 217:15 218:10
---	--	---	---

[bag - biological]

218:16,19	87:2 88:10	basis 83:10	143:5 147:21
262:18,23,24	91:11 96:11	130:19 139:5	157:11 159:25
bags 158:6	164:7,7 166:10	213:5,7	162:22 197:9
balance 166:10	168:1,14,17	bates 23:5	201:23 206:7
ball 139:17,18	169:15 170:4	55:24 151:12	207:19 224:24
139:24 140:4,7	170:18,20,24	189:4 261:10	226:1,8,13
198:17,17	171:4,16,18,24	beads 169:4	232:9,25
199:4,5,20	172:14 173:17	bear 137:17	244:16 247:9
200:1,5,6,9	174:5,9,13	bearing 23:5	253:22
barely 227:2	175:15,16	30:19 47:11	benchmarking
barrier 67:12	176:3,16	bears 189:4	243:3,5,12
67:25 68:8,11	177:10,12,16	becoming	beneficial
68:18,20,23	178:12 179:12	227:2	240:11
69:3,8,13,14,19	179:16 181:14	becton 232:11	best 20:13
70:22,25 72:19	185:16,19	232:14	251:5
73:12,21 74:10	186:1,20	began 74:2	better 14:19
76:4,12,15	188:18 190:3	beginning 4:11	22:17 60:18
77:2,3,7,8,9,11	192:18 193:13	55:7 75:14	118:2 165:17
77:12,18,21,24	193:16,23,25	126:6 181:25	222:24 257:13
77:25,25 78:7	194:17,17	begins 131:19	257:24
78:7,8,9,10,16	195:9 196:1,7	259:9	beyond 69:11
78:19,19,21,22	196:11 197:17	behalf 4:14,17	71:11 156:20
78:24 79:7,8,8	197:22 198:3,6	46:5	191:15
79:9,11,13,15	198:8,11,13,17	believe 18:3,22	bib 198:23
79:19,21,25	200:10 201:16	30:14 31:25	big 76:13,15
80:3,4,8,12,13	202:12,18	32:1,25 33:5	bigger 54:18
80:17,20,24,25	barriers 195:2	34:1 37:3	biggest 233:1
81:2,3,4,4,8,10	base 256:18	40:16 41:13,24	billing 17:4,6
81:13,13,24,25	based 61:13	42:8 50:7,9,22	biological
82:2,2,3,3,8,12	81:2 97:20	52:3,5 56:21	48:18 60:13,23
82:15,18,18,20	166:5 201:10	57:3 70:4	66:2 96:22
82:25 83:4,7	206:20	98:18 99:20	126:16,20
83:12,15,20,23	basically	112:25 119:8	127:22 168:19
84:3,6,6,10,15	114:11 168:2	120:1 127:4	176:8 185:7
84:20 85:2	203:9	128:1 141:14	188:11,23

[biological - cap]

189:7 biology 160:15 birnboim 208:18 211:15 211:23,25 bit 12:25 158:23 171:25 black 31:4 70:8 72:4 97:19 154:13 blade 99:24 219:17,19,20 220:3 blocking 104:13 blood 227:12 264:12 blue 147:18 148:3 bluff 2:4 blunt 179:10 181:13 blunted 166:14 bold 48:8 book 228:13,19 229:25 230:5 230:11,13,21 230:23 bottom 34:15 66:1,6 70:1 125:7 177:9,15 185:13 187:16 187:22 229:18 232:2 252:11	bought 232:8 232:10,10,12 bounds 211:6 box 217:19,21 218:7 262:20 brandon 245:7 245:9,15 breach 146:3 break 23:14 54:23 58:13 61:8 63:1 91:23 97:22 125:11,12 166:5,15,17 169:4 172:13 174:4,9 179:12 179:15 181:13 181:17 196:13 216:15 235:25 236:9 259:2,13 breaking 125:9 breaks 177:12 190:3 briefing 244:19 briefs 244:17 bring 145:2 225:7 239:19 240:3 bringing 142:2 broken 175:16 175:19 brought 8:10 142:2 210:14 217:7,13,22 218:8,15,23	243:15 builder 256:16 buildings 256:14 bump 109:14 burden 29:15 224:20 240:11 241:18 burrs 220:5,20 221:9 button 172:12 bypasses 25:7 c c 2:1 220:10 ca 265:10,13,21 cad 241:13 california 1:2 2:6,16 3:19 call 20:25 21:8 21:13 22:1,10 28:25 31:2 99:22 146:14 206:12 223:4 called 5:2 57:11 69:5,13 149:16 162:1 168:5 171:8 187:8 199:9 223:16 228:9 231:24 233:9 255:20 calls 11:19 256:13 camera 32:9,13 88:3 154:15	canadian 1:5 3:15 cap 26:20,22 27:3,5,6,8,11 27:13,17,22 28:9,9 42:16 42:22 43:6,7 43:12,16,18,22 48:25 49:4,10 49:10 55:19,21 56:23 57:6,19 57:25 58:25 59:13,16 60:8 60:9,10 64:10 64:24 65:8,22 66:15,21 67:5 67:10,14,24 68:2,22 69:9 71:9 74:16,18 74:22,23 92:19 92:21,24 93:1 93:8,9,12,14,18 93:18,22,23,24 93:25 94:1,2,5 94:9,9,15,19,20 94:24 95:2,4,7 95:9,13 98:15 99:18 100:4 109:9,14,21 110:1,5 114:19 115:5,5,7,11,16 115:16,23 116:6,9,15 117:2,3,6,10,18 118:8,19
---	--	---	--

[cap - certain]

123:22,24	206:10,20	257:13	235:17 236:18
124:8,9,15,18	207:9 209:1,3	caroline 2:10	242:23 245:20
128:22 129:2,7	209:3,19,20	4:21	246:15 247:17
129:12,20	210:21 211:1,4	case 3:19 5:9	248:8 249:5,9
130:3 131:13	211:17,19,25	6:20 7:3,6,12	249:16,24,24
131:16 133:3,4	212:2,19	7:14,24 8:1,3	250:3,6,21
133:8,13	213:25 214:13	8:15,19,20 9:9	253:9,9 255:9
137:18,20	214:23 215:8	9:25 10:4,15	256:21 259:23
138:7,13,21	215:11 216:1	11:5 17:1,7	263:6
153:2,2 154:12	capable 49:22	18:9 19:14,15	cases 6:19 7:16
154:17 155:22	50:5,18 85:25	19:18 20:23	63:2,8,9 145:7
155:25 165:12	87:3 88:11,16	21:22,24 22:2	198:3,5 240:14
166:14 167:4	88:20 164:9	22:6,9 25:12	246:16 249:10
167:25 168:7	167:20 196:1,8	37:1,20 41:14	250:18,22
168:13,16	196:16,24	41:21 42:3,7	251:3
169:4,14 170:4	216:9	42:12,19 51:17	casing 142:23
170:15,23	caps 177:21	54:12 60:6	cause 104:2
171:16,19,23	captured 25:21	97:2 103:25	185:19,19
172:4,12,17	cardinal 232:9	104:24 107:14	caused 27:18
173:16 174:4,6	232:11	107:18 111:5	27:23 105:20
174:8,14	care 163:18	111:17 112:3	causes 106:4
175:16,19	184:8	112:15 114:14	causing 27:13
176:3,16 177:3	cared 179:1	115:11 116:2	28:9
177:4,5,12,16	careful 243:4	120:21 121:22	caustic 155:12
177:20 178:13	243:10,16	123:6 130:13	caution 35:25
179:15,16	carefully 38:23	140:13,16	37:16 249:19
180:12,20	203:24 204:2	146:24 153:16	cautions 36:1
181:8 185:18	225:4 256:25	156:21 158:20	cavity 153:3,3
185:23,25	carefusion	159:14 161:3	ccp 265:10,13
186:20 188:19	232:10,12	163:21 193:9	cellular 160:16
189:23 190:1,4	carefusion.com	195:6,7 204:21	center 26:15
194:4 196:24	232:3,5	210:16 212:9	74:23 75:1
197:2,3 203:6	carman 231:12	213:20 222:23	certain 62:2
203:11,13,19	carolina 226:17	223:7,18,22	177:18 233:2
203:23 205:8	255:22,25	224:8 227:8	240:16

[certainly - clean]

certainly 144:24	chart 231:18	46:17,20,24	197:7 200:17
certification 264:1	check 146:15	47:2,4,9 51:15	200:22 201:10
certify 264:5,10	146:23,25	52:10,13 58:9	201:21 202:1,1
chaim 208:18	157:13	62:2 64:2,3,5	203:3 204:14
211:15,22,25	chemical 96:20	67:8,9,20,21,21	206:17 207:7
challenge 147:2	96:22 231:4	67:22 68:5,15	209:12 213:16
147:10	263:11	69:15 73:1,6	214:20 215:20
challenges	chemistry 36:7	73:16,18 77:17	215:23 216:8
141:7	40:7,12 160:13	77:20 78:12,15	223:7,7 237:10
chamber 129:2	160:15 258:7	78:23 79:10,15	237:10 244:13
129:8 184:25	chew 35:18	79:23 80:1,3,8	244:15,18,22
185:8,11,12,13	choice 174:15	80:16,20,22	245:2 246:19
186:3,4,5,15,16	choose 184:16	81:3,7 82:24	claimed 190:18
187:3,4,11	184:17	83:16,25 84:7	210:9 212:16
188:3 190:3	circular 124:15	84:13 85:24,25	claims 8:9
206:20 209:13	124:19,24	86:2,9,11 87:1	16:18 36:22
209:14 210:20	125:2,7	88:9,20,22	45:9,10 46:21
215:7,25	circumference	89:9,22,25,25	46:25 47:6,7
chambers	128:6	90:24 91:1	51:9 52:3 61:4
186:10	circumferential	105:10 114:10	69:16 78:11
chance 141:25	52:8	117:23 126:11	83:9 86:19
change 97:17	circumstances	127:4 130:14	96:23 112:7
111:9 114:7	249:22	131:5 132:13	124:10 177:22
152:17 160:3	citations 37:24	133:6 135:5,18	191:13 214:4
253:17 268:5,8	cite 70:1 152:15	136:21,25	224:22 225:6
268:11,14,17	cited 9:16 11:5	137:1,6,10,11	233:5 237:2,12
268:20	11:13 12:20,22	164:1 171:10	clarify 137:25
changed	152:15	175:1,9 188:20	clarity 210:7
255:24	cites 138:16	189:2,15,20	clarke 169:13
changing 147:6	citing 64:1	191:23 192:9	169:17,20
characterizati...	civil 265:20,21	192:21 193:7	178:1,6,8,11
229:7	claim 1:12 9:23	193:19,24	180:14 181:7
	10:16 29:10	194:10,23	181:10
	43:25 44:7	195:8,13,16,16	clean 127:15
	45:9,14,15	195:17 196:5	

[cleaned - compatibility]

cleaned 30:12	collect 166:7	combination	communicati...
clear 21:23	167:6 168:24	178:20 179:3	11:20 37:17
23:7 28:13	collected 16:7	182:3	242:5,13
43:5 64:21	188:1,11	combine 174:5	249:20
96:12 123:5	collecting	176:1	companies
157:6 181:9	126:15,24	combined	232:13
222:24 224:21	187:3 193:10	163:20	company 1:9
237:8	collection	come 33:10,13	3:17 7:13
clearance	56:10 98:11	43:21 61:12	20:19 149:15
115:9	101:18 127:2,7	91:15 95:19	149:20 150:6
cleared 237:20	127:16 129:15	113:1 120:7	151:2,3 221:20
238:23	138:14 153:1	238:19 239:9	232:5 245:22
clearly 36:4	158:1,8 162:16	comes 32:22	247:10 256:3
47:8 53:5	184:1 185:11	34:6 51:6 91:1	compartment
179:8 220:6	186:3,15 189:6	104:25 105:21	56:17,22,25
client 37:17	190:11 191:20	105:24 118:25	57:4,8,10,11,13
223:21 240:12	197:17 203:11	133:16 210:22	57:24 58:24
close 89:1	239:11	comfortable	60:5,7 71:8
125:14 155:21	college 222:16	62:14,20 216:6	75:19 76:9
224:23	225:25 226:3	246:14,16	80:5,14 145:19
closed 43:10,16	226:13,16	coming 43:24	145:20,23
66:1 71:17,23	color 70:9,13	168:4 238:21	164:6,9 165:3
72:14 75:12,19	70:15,16 72:5	commencing	165:9,10
112:14 145:6	97:16,20	1:21	175:14 188:17
153:3 175:2,10	261:24	comment 96:18	193:11 203:10
198:18 200:10	colored 70:4,5	comments	205:7 207:8
closely 170:6	72:7 227:11,18	234:22	210:21 211:17
225:3	228:1	commercial	211:24 212:1
closest 135:2	colors 71:2	151:21 152:6	212:18 213:25
closing 169:13	column 170:6	236:3,23	214:12 215:11
170:3 178:13	173:6,7,13	communicate	compartments
code 265:10,13	174:19 175:17	168:23 186:11	175:7,13 203:5
265:20,21	192:2 204:24	186:22	compatibility
collapsed	205:4	communication	130:1 231:4
227:23		12:10	263:11

[compensation - constituents]

compensation 12:13	composition 209:1 232:1	configurations 72:15	connections 142:22
complementary 129:13	compounds 220:5 221:13	configured 129:2,8,14	consider 14:4,5 44:1,8 45:17
complete 36:20 36:25 78:7 80:12 164:13 164:21	231:18 comprises 67:11,24	confirm 21:1,9 21:13 32:15 53:17	45:23 46:6,18 104:8,9 132:10 144:8 146:7
completed 45:13 265:8,18 266:6	comprising 126:25	confirmation 215:3	147:18 149:3,9 151:19 152:4
completely 73:22 87:25 107:5 111:12 115:4 174:22 200:14	concept 212:7 conceptual 111:22 112:20 112:24 113:3	confirmatory 188:14 189:13	152:20 239:13 243:11 257:20
completion 266:10	concerned 158:15	confirmed 41:10,13 213:23	consideration 235:17,22
complicated 227:21	concerns 36:15	conflict 249:12	considerations 233:3,9,25 234:2,10,24 236:18 238:6 239:24
compliment 251:12,14	conclude 76:2 77:5	confused 171:9 221:8	considered 13:12,19 14:10 14:14 15:7,10 15:14,23 41:2 53:3 146:13,19 149:6 152:2 153:15 206:3 206:24 207:21 209:9 237:18 238:16
component 57:23 120:23 120:24 134:19 138:2 198:12	concludes 260:14	connect 119:25 129:20	considering 146:9 243:6
components 22:17 99:25 101:13,18 102:18 104:11 107:9,10 112:1 112:2 121:18 121:20 133:15 198:11 220:25 223:6,9	conclusion 205:16 212:4 215:14	connected 117:19 149:24 150:19	considers 46:12
	conclusions 85:6	connecticut 199:19	constituents 158:16 231:21 231:24
	condition 109:2 219:21	connecting 138:8	
	conduct 22:8 84:1	connection 10:21 24:4 117:1 128:9,15 129:13,14,24 137:8 138:13 138:15,25 139:23 147:20 151:5 170:25 171:2	
	confidential 1:13 8:20 47:17 230:19		
	configuration 71:23 72:20 187:15		

[construction - conversation]

construction	118:10 120:7	60:1,4,9 64:10	208:24 219:23
10:16 45:15	120:11 121:25	64:22 65:17,21	230:18 235:18
46:22 47:1	122:19 123:6	65:24 92:22	contamination
65:6,20 86:9	133:16 265:10	93:10 94:25	36:15 49:2
86:11 101:14	contacted	95:8,15 100:6	50:13 51:5
114:10 125:2	48:17 110:14	103:20 104:25	155:12 189:9
130:14 132:5	245:12,14,19	105:25 106:14	contemplates
171:10,14	contacting	106:22 107:7	45:3
179:24 180:2	107:5 119:3,17	107:25 109:1,5	contend 83:11
180:16 193:20	contacts 100:18	109:17 110:20	163:25 164:5
194:10 202:2	106:8 118:13	111:13 112:18	169:12 203:3
204:21 206:17	119:11	119:1 123:9	contends
207:7 209:12	contain 33:24	124:3 146:9	232:18
213:16 214:20	36:24 57:8	158:4 162:9	content 7:2
215:20,24	130:16,20	163:1,7 165:11	contention
216:8 244:13	219:1,2 234:1	167:4,12,22	36:21
244:16,18,23	235:16	168:16 169:3	contents 48:12
245:2 246:19	contained	179:17 180:12	48:14,16 49:3
256:16	164:15,23	183:22 184:9	80:14 209:4
constructions	177:10 183:12	185:6 188:2,16	context 14:2
9:23	211:24	197:2 203:6,14	56:20 57:2
construed 64:9	container 25:6	203:18,22	101:22 103:15
64:23 86:14,15	25:9,24 26:4,8	209:19 215:7	121:11 129:1
201:11 209:17	26:11,14 27:2	215:25	165:21 198:1,8
consulting	27:4,6,9 28:5	containing 78:1	continue 3:8
257:11	36:17 42:13,16	79:12,22 164:8	207:6 209:19
contact 95:19	42:18,22 43:1	173:20 176:4	continued
99:15 101:11	43:8,8,9,12,17	208:25	126:7 238:4
101:24 102:6	43:19,23 45:18	containment	contractor
102:14,21,24	46:7 48:12,16	63:13,17 64:7	256:17
103:5,22 105:1	48:25 49:15	64:9,13,20,22	contribution
105:16,19	55:22 56:18,22	65:1,4,8	160:11
106:12,17,19	56:25 57:5,14	163:12	control 91:18
106:23 107:1	57:19,23 59:9	contains 57:12	conversation
107:23 113:10	59:11,21,22	57:14 184:24	10:17 19:1,4,6

[conversation - court]

19:8,11 20:12 159:10 conversations 3:6 20:2,5 convert 171:10 180:21 converting 185:24 convey 80:12 210:6 convincing 224:21 cookies 259:17 copied 240:16 copies 44:17,18 50:9 58:2 97:1 97:24 226:20 234:25 235:6 copy 34:24,24 34:25 51:14,20 61:1,21,25 63:3,5 70:7,12 97:8,13,19 169:16 226:22 226:23 copying 237:13 237:22,24,25 238:9,10,17,19 239:9,14,16 240:8,8,13,22 241:9,11,24 242:9,16,20,23 243:6,12 corner 34:15	corporation 1:5 3:15 correct 7:10 17:16,20,21 22:3 24:8 25:3 27:15 28:11,12 28:16,19 29:20 31:1,6,21 32:19 33:20 34:2 35:8,21 36:13 46:9 52:22 56:15 57:3 59:12 60:2 66:22 68:24 71:14,17 71:18,24 72:16 72:17,20 75:6 75:9,24 77:18 77:22 78:2,16 79:3,5 80:17 80:22 81:16 84:4,9 85:3 87:5 92:19,20 93:4 94:16 95:24 96:17 97:5,15 98:13 98:18 100:24 101:1,16 102:13 105:6 105:17,18,23 108:17 116:18 118:22,23 121:18 123:14 124:7,16,25 127:2,4,8,20	128:1,21 129:9 129:11,18 133:10,24,25 134:1,20 135:11,19,20 136:10,17,18 137:13 138:3 139:2 141:6 142:15,18,19 143:10,11,14 143:17 144:21 155:2,23 157:8 158:1 162:2 164:12 170:15 170:16,20,21 170:24 174:23 175:4,11 177:3 184:14 185:4,9 186:7,17 201:1 202:9 203:8 205:22 208:19 208:20 210:12 211:13 215:12 217:10 218:9 218:24 219:12 224:11 225:22 227:9 232:4,20 232:21 244:20 249:2 250:23 252:17 255:9 267:3 corrections 252:10 265:15 265:16 266:3,4	correctly 67:15 76:5 210:11 211:12 corresponds 66:25 cost 54:17 144:8 counsel 1:13 3:13 4:8,24 5:18 10:6,12 12:6,10 19:12 29:1 37:24 41:5,6 47:17 148:17 206:1 207:24 240:18 241:25 242:5,6 242:8,12,13 248:17,21 249:5,8,20 265:19,22 266:7 counter 1:12 countermove... 107:23 countervailing 108:13 couple 9:1 241:15 course 124:19 147:17 court 1:1 3:18 3:25 4:23 6:23 8:7 64:8,23 86:14,14 101:10 114:10
---	---	---	---

[court - deleted]

181:12 201:11 202:4 204:3,8 204:9 206:5 209:16 210:13 210:23 213:13 213:14 239:20 court's 46:21 46:25 65:6,19 130:11,14 132:5 171:9,14 179:24 180:1 180:16 193:19 202:1 204:20 207:7 214:19 214:19 cover 137:7 168:4 195:17 197:7 210:20 214:23 230:5 230:11 covered 146:21 160:20 covid 244:4,6 cpohl 2:11 crazy 89:15 create 139:22 146:3 237:10 created 9:21 22:19,21 creating 99:8 143:21 147:7 credibility 248:14 cross 217:7,13 217:16 218:15	218:23 219:11 220:6,7,22,24 221:5,6,11 222:8 224:1,5 228:2 240:5 262:19 cup 25:14 26:5 26:25 28:20 59:5 current 116:2,4 253:18 currently 119:22 232:13 251:18 customer 56:10 256:18 cut 99:23,25 100:2,4,21 131:25 218:12 218:20 219:4,6 219:11,16,16 219:18,19 220:1,2,10,12 220:16 221:22 223:2 229:3 252:4 262:23 262:25 cuts 168:3 224:1,5 cutting 221:15 221:23 cv 1:3 3:20 225:12 228:15 228:25 230:1 230:17,21	250:18 252:7 252:22 253:10 253:18 256:20 257:1,16,23,24 cylinder 69:5 75:4 81:20 82:7 95:16 114:13,13,14 123:24 135:23 136:5,12 144:15 cylinders 69:5 70:24 71:1 82:4 83:19 105:11 cylindrical 187:18 d d 261:1 data 48:2,6,10 49:9 51:4 154:8 date 14:25 156:15,18 157:4,12,21,22 210:8 243:16 243:25 252:10 252:13 253:12 257:22 265:17 266:5 268:25 dates 157:7,16 243:19,21 244:11 daughter's 7:20	david 21:15 day 144:23 226:2 264:15 days 8:24,24,25 ddl 1:3 3:20 decades 239:12 decide 186:21 decided 195:5 210:24 decision 210:23 declaration 244:22 245:1 declare 267:1 defendant 1:10 2:17 define 13:7 14:17 65:23 82:18 105:10 111:18 135:3 defined 40:3 134:14 181:11 defines 52:8 130:10 defining 63:12 63:17 64:6,13 65:1,3,16 definitely 91:2 definition 14:17 64:20 130:12 258:8 degree 108:1 delete 111:11 202:20 deleted 215:1
--	---	---	--

[demand - device]

demand 60:25	deposited	132:9 139:11	desimone 1:19
demonstrate	185:5	183:11 202:8	4:1 264:3,21
25:20,23 29:4	depositing	description	desire 186:9
153:24,25	51:11	89:8 90:14,22	dessert 259:17
demonstrated	deposition 1:15	90:25 91:5,9	detached 24:7
83:23	3:12,21 6:13	91:12 135:6	32:20
demonstrates	8:22 9:3,12,18	183:7 192:23	determinations
189:20	10:23 11:2	193:3,19 194:3	153:19
demonstration	12:9 37:5	194:19 195:10	determine
25:11	40:23 74:1	195:20 202:5	13:16 16:4,21
deny 53:17	86:23 87:22	202:13,22	55:10 68:3,14
depend 163:6	149:4,10	203:4 204:22	91:7 129:25
dependent	151:17 217:8	205:7 206:14	239:16 240:7
67:21	217:23 235:12	206:22 207:2,5	241:20
depending	253:2,3,6,10,13	207:18,22	determined
147:17 166:6	265:20,23,25	208:1 209:10	265:19,23
depends 13:7	266:8,10	209:22,24	266:7
14:1,16 62:24	depositions	210:5 211:5,6	develop 247:12
67:22 74:20	5:15 6:2,7,10	215:22 234:9	developed
103:14 144:22	6:15,16 7:23	261:8 262:2	152:13
168:10 196:10	depressing	263:2	developing
198:7 251:22	174:8	design 56:9	140:18
depict 211:16	describe 86:22	124:4 156:3	device 9:20,20
depicted	86:23 96:19	173:16 174:15	21:1,10,14
211:24	121:16 180:22	208:23 221:20	22:11,12,12,13
depicting	223:20	256:14	22:14,22 24:8
154:12	described	designate 22:25	24:11,14,16,18
depicts 202:9	69:15 96:3,9,9	47:16	28:14,18,23
depo 61:2	96:11 115:2	designed 84:23	29:7,11,23
87:14	131:7,20	157:25 158:3	31:25 32:4,5
deposed 5:12	184:18 189:22	209:2	32:13,15 33:10
20:7	208:23 238:22	designs 255:6	33:14,18 34:6
deposit 52:6	257:22	255:11,18	36:8,13 41:16
53:8 155:1,5	describes 56:4	256:20,23	42:9,15,21
168:19	76:4,8 77:1,6	257:2,7	43:7,13,18,22

[device - disclose]

43:24 45:12,13	238:2,20,22	differences	105:1 121:24
48:24 49:7,17	243:22 246:3	39:19,21,23	121:25 170:5
49:18 50:2,15	251:19 256:5	40:25 146:7	240:5
50:24 51:5	257:10 263:4	different 11:15	directed 27:2
53:3,5,15 54:7	devices 22:16	15:5,8,19	142:21 175:1,9
54:18 55:10,17	40:18,20 53:10	30:11 34:4	176:7 184:1
55:20 58:19	53:19 82:22	39:9 40:16,17	direction 67:13
60:7,11,22	83:8 137:24	42:1,10 45:14	68:1 156:3
64:25 65:22	141:24 145:7	54:18 56:24	directions
67:9,20 68:9	146:12,20	73:22 78:14	22:15 263:19
68:13,17 73:23	150:8,10 158:4	82:20,23 84:3	directly 25:24
74:17 76:14	158:5,9,12,14	84:5 101:6,17	49:22 50:5,19
77:10 78:13	192:23 193:5	104:12 109:9	58:7 103:22
82:19,20 84:15	195:17,22	110:1 115:3	230:20
85:5,6,10,16,22	201:5 202:6	117:20 121:13	directs 31:3
90:8 99:23	203:5 204:23	124:3 135:16	disagree 39:22
100:1 101:19	233:4 239:12	136:14 158:13	65:11 204:9,13
109:16 112:16	241:5 245:23	166:4,23 175:8	233:15,22
115:8 116:3,4	246:1 247:11	175:13,14	236:24
116:4 118:18	250:23,25	188:6 190:5	disagreement
123:25 132:10	253:15	195:25 196:7	233:14
135:17 138:1	dhillier 2:9	198:3,6 203:15	disassembled
148:23 149:20	diameter	220:4,25 223:8	22:12 85:4
151:2 153:1	124:18	227:18 231:18	disassociate
154:20 158:1,3	diamond	231:23,25	176:3
158:13 163:17	124:20	232:1 236:25	disc 76:8,10,15
163:19,23	diaphragm	237:4 258:20	198:9 199:17
165:11 184:1	175:20	difficult 50:25	199:22 201:18
191:12 193:8,9	dickinson	84:14,19 85:8	202:16
195:21 196:14	232:11,14	85:11 90:8	disclose 163:11
196:22 197:18	diego 2:6 200:1	141:21 143:24	169:13 177:3
203:11 219:25	difference	144:1,4 220:19	178:11,14
223:17 224:7	76:13 78:20	difficulty 90:10	220:23 236:17
224:10,22	143:3	direct 20:9	256:19
227:7 237:8,11		102:4 103:17	

[disclosed - downwardly]

disclosed 13:4 152:1 discloses 163:15 164:1,6 165:13,14 170:14,18 173:20 191:2 201:7 disclosures 164:25 discrepancies 257:16,21 discuss 18:1,6,9 18:12 21:24 22:6 37:4 165:5 190:15 190:16,21 191:3 201:15 233:2 discussed 12:18 13:1 83:16 107:1 138:8 158:23 179:14 179:21 233:5 237:9,19 discusses 242:19 discussing 97:19 241:5 discussion 172:22 215:22 216:2 discussions 12:5 29:1 161:2 237:25	disestablish 86:3 196:12 197:4 202:17 disestablished 84:16,21 85:3 86:6 87:4 88:12,17 89:19 90:2 195:2 201:17 disestablishing 197:17,22 disestablishm... 85:25 88:21 91:11 164:9 167:21 169:2 196:2,8,17,24 displace 73:2 170:20 172:23 174:13 displaced 76:16 112:9 170:18 173:17 displacement 122:2 displaces 72:19 169:15 170:4 171:4 displacing 76:4 77:1,6 81:5 170:24 178:12 display 22:24 23:11 disposable 158:4 250:25	disposal 48:9 dispose 48:11 48:24 49:18 disposed 48:17 49:5,8 128:10 183:19 184:13 disputed 88:7 disrupt 194:17 202:12 disrupted 201:5 disruption 192:24 193:5 193:11,14,25 194:6,22,23 195:7,11,13,18 200:19,23 201:6,8,10,15 201:17,19,22 202:3,6,9,14,23 204:10,23 distal 134:14 134:19,23 135:5,10,15,19 136:6,11 distribution 247:10,23 district 1:1,2 3:18,19 dna 1:4 3:14 4:15 5:9 208:25 209:5 265:4 268:1 dnag 151:13 152:24 262:9	doctor 139:16 document 30:19,21 47:11 47:20,22 48:4 56:3,4 151:12 154:4 157:14 161:23 170:12 173:11 190:24 215:10 228:22 229:12 230:22 231:2,18 235:23 236:7 243:15,18 252:20 255:15 documented 62:24 documents 9:11,16,24 10:4,21 11:1,4 11:6,9,16 15:20 16:14 37:25 211:9 214:25 240:21 240:24,25 241:2,8 242:10 242:20 doing 8:25 45:14,15 85:14 146:12 178:14 222:13,19 donor 134:18 donovan 230:9 dot 76:11,11,11 downwardly 175:20
---	--	---	---

[dr - embodiments]

dr 9:6,7,14,15 30:1 38:24 39:5,9,10,14,15 60:19 61:12 65:12 68:7,19 69:4,12,18,21 70:21 71:22 72:13 77:11 78:8 81:11 82:1,15 83:12 83:22 84:20 85:14 96:21 112:25 113:3 138:16 139:9 139:14 141:8 141:16 147:13 148:16 153:21 159:2,7,11,13 159:21 160:9 160:11,19,21 161:8,15 208:18 211:25 224:12,16 225:6 234:4,8 235:10,19 236:2,20,22,24 238:11 239:4 239:23 240:11 241:18 242:16 242:25 243:7 248:23,25 258:22 draft 37:23 38:2	drafted 37:22 drafting 38:12 38:16,20 drawing 177:8 241:13 drawings 224:25 drew 2:8 4:13 51:21 54:21 58:1 91:15 drilling 142:23 drink 35:18 drive 2:4 dropped 246:19 drug 158:16 184:10 231:20 drugs 145:15 231:25 232:1 duly 5:3 264:7 durant 221:17 222:5 dw 247:1,4,8 247:14,20 248:4 dynamic 121:12	261:1,7 262:1 263:1 265:10 265:13 266:1 268:4,4,4 earlier 58:22 59:3 92:12 97:18 114:17 134:3 138:9 155:15 162:5 172:24 222:4 easier 145:4 147:15 easily 171:24 186:10 easy 137:12 144:12 188:7 192:16 eat 35:18 effect 240:17 effective 210:8 effort 137:18 137:21 efforts 42:11 either 14:10 21:24 39:16,20 76:21 86:24 90:14 101:24 102:5 111:16 113:3 114:12 125:6 133:7 135:22 141:11 145:15 149:4 152:14 180:12 181:6 184:9 199:12,23	200:15 214:2 222:14 237:24 237:25 240:4 246:12 electron 222:19 element 47:8 64:2,3 165:5 186:13 187:2 189:21,21 196:5 elements 117:23 133:5,7 179:4,8 188:20 189:2,15,20,22 190:19 191:3 191:23 192:8 223:8 eliminate 115:10 172:6 172:15 eliminated 189:9 215:1 eliminating 190:9 embodiment 167:23 173:18 180:7 183:11 183:25 184:4 184:23 185:21 186:8 189:1 embodiments 135:6 174:25 175:22,24 202:3
	e		
	e 2:1,1 5:1 126:1,1,3 237:24 240:6,8 240:12,13,14 240:17,19,22 241:8,12 242:19 254:2		

[emotion - exhibit]

emotion 246:12	77:2,7,8,18,21	esq 2:8,10,18	example 103:2
employment	77:24 78:16,19	265:1	104:19 177:9
256:20	78:21,24 79:6	essentially 41:2	198:21 227:12
enabled 137:9	79:13,15,18,21	41:11,15,20	227:22 238:18
137:10 141:18	79:25 80:2,7	establishes	examples
enablement	80:11,17,19,22	76:12	138:17,18
141:22 153:18	80:25 81:1,12	et 178:7	141:22
158:23 180:6	81:25 82:2	evaluate 37:13	excel 242:21
encapsulated	85:4 116:9	evaluating	243:14
222:14	133:13 188:23	37:20	except 108:18
encased 224:2	189:17 191:19	everybody	215:9 222:21
224:6	192:2,17 215:5	150:17	249:21
encompasses	234:11	evidence 48:22	exception
120:11	entirely 34:1	49:14 153:9	12:14
ended 20:20	entirety 205:13	213:13 224:21	exceptions
ends 135:14,16	205:21 215:10	237:23 238:18	11:22 12:7
engage 129:14	entitled 62:3	240:8 241:11	excipients
engagement	epoxies 227:18	241:16,19,24	231:23
249:4 250:6	epoxy 222:14	242:15 243:1,2	exclude 200:18
engaging 67:10	222:25 224:2,6	243:8	200:23
67:23	227:11,13	evident 183:13	exclusive 156:7
engineer 20:19	228:2	184:7,16,19	excuse 23:6
221:12 222:3	equal 108:9	exact 8:23 42:8	66:5 120:2
engineer's	121:2	52:13 53:11	executed 267:5
221:16	equilibrium	78:15	exert 68:10
engineering	146:3	exactly 12:23	exerted 68:21
19:24 108:2	errata 265:15	17:3,25 18:16	73:12 81:16,22
223:5 255:21	265:17 266:3,5	38:18 41:12	105:22 112:1
255:23 256:2,3	error 56:15,16	140:2 149:2	exerting 67:11
256:6,10,11,15	errors 56:10	examination	67:25 73:20
257:6,12	especially 13:1	5:5 126:7	exerts 110:15
entire 42:21	143:22 145:7	261:3	110:16
43:7 45:12	158:14 163:16	examined 5:3	exhibit 23:1,2
48:24 49:7,17	163:23 245:25	22:11 68:17	23:24 30:16
49:18 76:4			32:5,6 33:7,12

[exhibit - february]

33:16,19,20,23 33:23 34:4,9 34:12,13 35:5 47:13 49:20 55:24 56:1 61:19,23 62:8 70:7,12 72:4 87:14,21 92:3 92:5,7 97:5,7,9 97:14,15,16 142:9,17 151:14,16 161:19,22 169:22,24 177:25 178:1,3 178:5 182:10 182:15 189:4 208:9,10,12 216:19,21,23 216:25 217:2 217:12,18,22 218:1,1,8,16,19 219:23 220:10 220:12 223:11 223:12,13,15 225:12 227:22 229:8,10,13 230:24,25 231:3,10,15 235:8 243:15 254:19,21,22 261:10,12,13 261:14,17,18 261:19,20,22 262:4,6,7,9,11	262:12,13,14 262:16,18,20 262:22,23,24 263:4,7,11,14 263:16 exhibiting 81:21 exhibits 37:7 91:17 exist 148:15 exists 114:7 expect 107:19 196:11,13,14 experience 141:23 255:14 experimentat... 139:13 144:11 expert 4:19 6:4 6:7,9,16 11:19 20:20 37:22 46:1 47:23 63:10 141:16 160:6 161:5,9 161:12 162:15 223:2,17,21 224:17 227:7 228:9,20,25 229:14,15,21 229:21 236:16 243:11 245:20 246:15 248:7 249:4,16 251:4 251:16 252:1 255:5 261:20 261:22 262:4	263:5,8,9,14 experts 160:10 248:25 explain 257:13 257:23 258:2 explains 134:21 257:9 explanation 135:4 169:7 expose 192:16 exposed 75:8 188:2 191:19 expressly 77:23 78:4 79:6 80:1 80:10 137:15 163:15 200:18 extent 28:25 46:14 62:17,21 96:20 152:11 153:17 154:18 158:22 160:7 175:24 180:20 191:4,10 192:9 206:16 216:2 exterior 128:10 145:20 external 145:12 145:21 146:2 extra 54:17 extrinsic 48:22 49:14 200:14 extrinsically 198:8	f f 2:10 126:1 face 251:10 facilitate 51:23 fact 6:18,21 7:4 7:8 45:2,17 46:6 63:10 123:6,7 136:19 142:3 147:2 152:18,20 161:5,8 175:1 204:14 206:19 211:22 214:11 237:22 238:21 241:14 factories 259:18 facts 12:10,12 242:6,9,12 fail 131:19 fall 131:5 falls 83:8 familiar 17:9 17:12,17 169:8 200:2 246:21 246:25 247:1 family 237:1 faucet 199:2 200:1,3,11 fda 53:1 features 124:20 190:5 221:7,8 february 143:13 157:12
---	--	--	---

[federal - flare]

federal 266:1,8 266:9	financial 247:25 248:3,7	215:19 225:20 240:10 243:13	81:21,23 82:11 82:11 85:19
federico 21:17	financially 4:4	245:4,12 255:9	92:13,14 93:2
feels 91:20	find 12:24 13:3	256:22,23	93:3,10,16,21
felt 237:6	104:15 141:8	257:9	93:25 94:5,21
field 132:21	143:19 149:5	fischetti 159:3	95:2,6,9,18,22
135:1	157:15 224:11	159:7,11,13,21	95:23 98:9,14
figure 72:6,24	226:8 237:14	161:8 162:1,4	98:19,20,25
113:2 172:25	240:12 241:19	163:10,14,21	99:1,5,5,9,12
173:2,3 176:23	254:13,13	163:25 164:5	99:17 100:2,3
177:2,20	finding 8:16	165:7,13,14,23	100:4,5,9,10,12
182:24,24	34:9	166:2,3 176:2	100:14,22
183:2,8 184:24	fine 91:22	178:21 179:4,5	101:2,3,4
185:2 187:5,18	153:13	197:15	102:11 103:19
190:22 192:2	finish 5:21	fischetti's	104:6,14 105:2
192:15 202:8	116:23 131:24	160:19 164:24	105:3,5,5,8,14
202:16,19	173:12 213:1	fit 82:23 171:1	105:15,16,17
208:21,22	228:18 229:2,6	fits 55:20,21	105:21,21,23
figures 166:20	finished 170:11	five 8:25 42:23	106:1,3,4,5,8,9
176:17,19,24	173:10	43:14 59:23	106:10,13,15
177:19,21	firm 4:2 249:9	259:10 260:17	107:19,24
180:8	249:25	fix 167:2	108:11,12,14
file 16:6,11,12	first 5:2 6:20	fixed 93:24	108:24 109:2,4
16:13 86:20	7:16 12:15	95:3 166:25	109:7,8,13,18
211:8	20:18 27:8	168:18	109:22,23,25
filed 3:17 143:9	28:2,6 32:11	flange 100:18	109:25 110:4,7
212:5	34:13 37:23	flare 69:6,19	110:10,12,13
files 16:4	58:20 63:22	70:22 71:3,4,5	110:14,15,16
filing 157:21	66:18 68:6	71:6,13,13,24	110:21,22
210:8	76:9,20 87:16	71:24 72:15,16	111:14,15,24
fill 31:3,11,12	110:4 176:22	72:22 73:1,4,5	112:16 113:15
31:20 35:7	178:13 182:17	73:10,10,14,15	113:16,17,21
film 198:9,13	184:16 192:7	74:9,14,15	113:22,22,23
finally 218:18	206:2 208:17	75:2,7,10,11,16	113:25,25
	212:5,11,13	75:17 81:15,18	114:4,8,15,15

[flare - form]

114:18,24	138:22,23,24	forced 175:20	78:3,17,25
115:15,23	139:20,22	forces 110:18	79:4,17 80:9
116:1,13	142:8 145:19	111:25 121:25	80:18,23 81:9
118:12 120:8	153:11 154:1	170:19	81:17 83:6
121:23 122:6,6	186:12 187:1	foregoing	93:5 95:25
122:7,7 123:8	188:11 189:7	267:2	96:6 98:16,21
123:10,12,13	227:12,21,24	forget 72:11	99:2,6,19
123:17,18,20	228:6	166:16	100:16,25
123:21,22	fluids 82:13	forgetting	101:8,20
124:15 125:1,5	145:14 251:1	172:11	103:13 104:17
131:1,2,4,9,14	fly 255:3	forgot 72:8	105:7 106:6
132:7,14,16,23	flying 259:18	form 13:21	107:11 111:2
132:24 133:2,2	foerster 1:18	14:7,15 15:15	112:23 114:20
133:9,16,23,23	2:3 3:21 4:14	15:25 16:20,25	115:14,19
134:3,4 136:10	follow 53:2	18:14 20:16	116:12 119:6
138:5,5	117:13,20	21:2 24:22	119:20 120:19
flared 119:9	209:21 213:22	27:20,25 29:13	121:6,9 122:16
flat 177:4,5,24	215:20,23	29:19 30:8	123:1 126:18
flatness 177:19	following 216:8	31:22 33:15,21	127:19,24
177:23	follows 5:4	33:25 37:2	128:12,17
flight 260:5	48:8 265:9	38:4 40:9	129:4,10,16
flipped 59:25	forbid 150:18	42:12,18 43:2	130:8 132:17
flipping 60:3	force 67:11,12	43:11 44:12	133:12 135:25
floor 2:15	67:25 68:1,9	45:6,21 46:10	136:8 138:10
flow 75:12,18	68:10,21 73:11	48:3,20 49:6	138:14 140:14
117:9,19 244:4	73:20 81:5,12	49:12 50:21	141:19 144:5
flowing 71:7,16	81:16,19,21	52:25 53:23	145:24 148:24
82:13 200:11	105:22,24	54:11 56:19	151:23 152:8
flows 185:7,10	108:14,22	57:1,9,16	159:15,23
199:15	109:23,24	60:25 63:18,21	160:6,22
fluid 27:14,19	110:15,16,19	65:18 66:4,10	161:11 162:20
66:25 121:12	120:25 121:2,4	66:16 67:2,6	163:5 173:23
122:9,12	121:16,21	68:25 69:10	176:10 190:13
124:13 136:22	140:20 145:5	71:10 73:13	190:23 192:5
137:3,8 138:15		75:13,21,23	193:17 194:7

[form - general]

196:3,9,18,25 197:12,19,24 198:19 200:20 204:11 205:15 208:4 212:3 213:10 215:13 216:11 221:2 224:18 228:24 234:12 239:2,7 242:2 257:18 258:11 formed 61:13 71:1,12 154:4 184:18 227:24 formerly 257:12 forming 13:13 13:20 14:6 46:4 142:12 146:24 148:12 198:12 203:25 204:6,25 205:5 206:13 207:16 forms 138:24 175:8 forth 60:10 147:6 264:7 forward 230:14 found 12:23 14:5,9,14 15:14 139:8,9 141:10 151:7 241:22 foundation 14:8 21:3	94:23 151:24 152:9 159:24 160:23 213:11 245:17 257:19 founded 255:11 four 8:24 181:25 225:17 227:5 231:14 259:6 frangible 165:16,17,19 185:13 frankly 113:2 frcp 266:1 free 7:5 145:3 150:15,20 199:10 227:25 231:5 263:13 freedom 156:4 freeman 182:5 freeze 199:16 200:2 friable 165:14 165:16,17,19 165:23 166:1 167:20 196:23 friction 108:21 108:25 109:3 110:25 111:6,9 111:12,17,17 114:6,6 124:20 140:19 171:1 frictional 105:16,19 110:18 114:1	front 32:13 34:21 97:1,9 119:15 176:21 210:14 frost 199:10 full 82:3 137:9 224:4,7 fully 70:3 function 36:12 41:18,19 71:6 75:11,17,22 82:7,12 110:9 131:6 144:9 166:2 193:21 194:12 195:5 201:25 204:15 functional 99:15 101:12 101:25 102:1,6 102:10,17,22 103:1,2,7,9,11 103:16,23 104:21,23 106:12,21 107:2,14,16,21 107:24 110:22 110:25 111:18 111:21,22 112:13 113:8 113:10,12 114:3 117:8 118:11 120:16 120:22 functionally 107:17 112:17	functioning 109:16 115:7 functions 74:10 198:17 funnel 24:6,13 24:17,24,24 25:2,4,5 26:3,5 26:7,9,13,13,16 26:22 27:1,3 31:8,11,15,17 31:19 32:20 35:6,11,12,14 35:23 36:4,5 36:18 50:12,14 51:7 52:21 53:6,7,22 54:1 54:3,5,9 55:12 55:12 59:8,10 59:15 118:18 118:21,25 119:3,4,10,17 239:10,13 further 61:16 182:4 210:22 216:3 260:6 264:10
			g
			g 5:1 126:3 gaeta 21:18 garden 142:3 gauge 146:16 gear 103:4 gears 103:3 general 7:2 111:3 143:25

[general - hand]

158:14 241:10 generally 19:23 20:6 124:15,19 125:2 203:16 genotek 1:4 3:14 4:15 5:9 9:20 18:21 148:17 206:16 206:18 207:6 209:17 210:18 210:25 212:21 213:4,22 214:22 215:3 215:19,22 216:7 232:17 238:1 265:4 268:1 genotek's 36:20 37:13 64:19 141:16 232:23 getting 37:25 97:24 256:13 give 10:7 20:13 34:24 36:2,19 51:20 52:12,12 61:9,10,17 149:12 164:2 213:6 234:3 236:6 242:10 244:21 245:1 given 36:5 63:3 63:5 160:8 260:14 264:9 gives 234:20	giving 35:19 36:6,11 58:9 121:1 216:6,9 gloves 155:8,10 155:14 go 3:10 15:9 16:2,9,11 24:20 26:6 28:21 52:10 60:8,9 91:13 120:1 122:17 132:23 134:3 149:9 171:18 179:18 187:10 203:10 204:12 208:5 228:7 253:18 god 150:18 goes 25:1,2,4 55:11 67:22 71:2 74:15 75:8 76:15 92:14 112:14 119:10 179:7 going 3:2 11:18 11:25 12:4 22:24 23:11,22 28:25 30:14 31:2 32:4 33:4 33:6 47:10 50:8 54:22 55:23 58:12,19 60:25 61:2,7 87:10,18 106:24 133:22	136:6 148:8 149:8 151:11 157:20 161:2,3 161:12 169:1 178:1 193:20 194:10 203:20 206:12 207:6 208:8 211:3,10 217:11,25 227:19 242:3 249:11 good 3:1 5:6,7 19:22 38:6 91:24 109:11 125:16 148:10 155:5 169:6 181:17 203:20 245:6 259:17 granted 207:4 238:24 254:12 great 54:25 125:15 greatest 150:4 150:7,10 grind 222:15 grits 220:4 guess 57:18,18 122:22 124:20 222:11 guide 228:9,19 229:15,21 263:9 guided 59:8 guidelines 49:2	guirguis 182:3 182:18,20,24 183:7,25 186:2 186:12 187:4,6 187:18,23 188:9,16,22 189:4,5,14,20 190:6,9,10,10 190:20 191:2 191:11,22 192:10 197:15 gum 35:18 gunk 148:8 gunked 148:9 guy 256:16 guy's 251:10 h h 261:7 262:1 263:1 268:4 half 100:22 218:25 219:2 219:24 220:1 220:21 223:2 231:17 halfway 48:9 166:19 hampshire 8:5 8:7 199:9 255:25 hand 34:15 47:10 56:8 69:20 91:14,14 155:4 217:11 217:25 264:15
---	--	---	--

[handed - identification]

handed 30:18 61:21 142:16 161:21 169:21 182:12,14 handing 217:18 218:10,18 handle 199:10 199:15 handled 265:9 handling 155:11 189:7 hands 87:12 137:17 155:7 hang 87:8 120:5,5 happen 93:20 194:19,20 195:19,24 202:24 221:18 happened 214:25 happening 172:9 happens 92:21 94:5 104:3 happy 258:3 hard 82:22 91:7 94:7 145:9 harder 147:3 head 222:12 health 232:9,11 healthcare 247:2,5,8,15,20 248:4	hear 66:18 99:3 heard 113:4 245:13,22 247:3,4 hearing 10:16 194:10 height 168:23 heights 166:4 held 1:17 92:18 94:2 helicopter 255:1 helicopters 255:3 help 37:24 145:6,22 147:9 157:15 221:10 223:21 227:19 257:25 helped 38:2 helpful 224:12 helping 38:8 hemispheric 144:19 hereunto 264:14 high 2:4 166:1 168:8 higher 145:3,5 145:21 146:2 147:11 highly 1:13 47:16 hillier 2:8 4:13 4:13,20 5:5	11:23 12:2 23:13,21 35:1 52:1 54:24 55:8 58:5,17 61:6 62:5 63:25 70:14 87:20 91:22 92:11 126:8 131:23 164:20 181:16 182:1 211:10 216:12 216:14 217:6 229:1,5 233:19 235:5,24 236:8 236:15 251:11 259:1,11 260:3 261:4 hired 250:2 251:4 history 86:20 211:8 254:16 hits 105:4 hold 92:23,24 93:1,9,15,21 94:19 167:8 176:24 holder 167:1,3 180:9 holding 52:15 66:2,6 93:18 94:24 holds 153:11 188:17 hole 200:5,9	home 260:5 hope 260:4 hose 142:3 198:23,25 199:1,15 200:1 hospital 150:19 hour 54:22 hourly 248:6 248:12,15 hours 251:15 251:21,25 house 198:24 199:2,13,19 household 138:19 housing 199:21 huh 164:4 humor 199:25 hung 20:23 hypothetical 94:13 109:19 116:4 123:4 145:25
			i
			icu 6:22 idea 74:3 148:10 155:11 identical 176:18,20 177:1 identification 23:3 30:17 32:7 33:8 47:14 56:2 61:20 62:9

[identification - initially]

78:10 82:17	impact 36:12	216:1 220:9,11	indicia 232:18
83:12 92:4,6,8	39:19 42:2	included 14:10	232:23 233:10
142:10 151:15	46:20,24 47:5	15:18,19,23	indirect 102:3
161:20 169:25	161:13,14	16:4 72:25	103:11 105:1
178:4 182:11	imply 113:7	218:5,7 228:4	122:22
208:11 216:20	implying 49:16	228:5 230:15	individuals
216:22,24	196:4	253:13 265:15	40:1,3 248:17
217:1,3 223:14	importance	266:3	248:21 249:6
229:11 231:1	189:6	includes 42:22	inert 101:4
235:9 254:20	important	43:7 86:20	inform 22:1
identified 68:8	13:11 70:9	including 41:17	information
68:11,18 69:3	146:6 189:19	41:22 124:12	41:7 160:2
69:13,18 70:21	impossible	146:21 191:20	230:17,19,20
70:24 78:8	84:10,24 85:2	224:8	232:3 243:17
81:11 82:4,15	85:11 90:9	incomplete	252:6
83:22 84:20	144:1,3,6	145:25	infringe 16:18
133:25	improper 36:2	incorporated	45:8 102:19
identifies 77:12	50:11 52:14	205:12,20	123:11 225:5
81:13	233:20	221:20 255:12	infringed 16:22
identify 83:19	inappropriate	257:7,8	29:19
84:5	25:16	incorporates	infringement
ifu 31:2,3,7	inch 146:16	215:9	7:9 36:25
ignore 207:7	include 13:11	incorrect 29:21	37:13,20 38:20
209:18 254:3	13:17 14:13	69:1,2 70:23	38:24 45:16
image 71:21	15:13 48:25	123:15	46:5,17 54:10
72:1,13 153:2	56:23 57:6,25	incorrectly	91:6,8 158:19
154:12,15	64:10,24 65:8	20:10	164:14,19
155:24 176:22	137:7 138:12	independent	224:14
206:7 212:22	165:12 167:4	149:13	infringes 29:16
213:9	168:16 183:13	index 1:3	36:21 224:22
images 70:11	183:16 184:6	indicated 42:23	inherently
153:1	201:21 202:2	59:23 206:1	163:17,22
immediately	203:19,23	indicates 26:3	186:25
174:4,17	213:24 214:3	indication	initially 24:7
178:12,15	214:12 215:8	46:16	95:14,19

[injuries - inventors]

injuries 150:24	114:24 115:15	218:2,4,6	international
inner 75:4	120:9 122:6,7	261:14 262:22	182:16 262:14
81:20 82:7	123:10,12,17	instructs 53:7	interpreting
95:16,18	123:20,21	integral 114:18	117:23
105:11 114:12	124:15 131:2,4	115:16 179:14	intuitive 56:8,9
114:14 133:18	131:9,15 132:7	integrally	invalid 89:11
135:22 136:5	132:14,24	131:12,15	invalidated
136:12 154:2	133:2,9,17	integrity	14:24
183:20 184:13	134:4 138:5	188:10	invalidating
innovative	inside 25:8	intended 30:12	13:15,25 14:4
255:21,23	33:3 52:6 88:4	50:16 84:22	15:2,8
257:6,12	110:9 119:10	85:16,23	invalidity
insert 69:6 71:3	129:19 132:24	intending	17:15 38:16,23
71:6,13,24	134:4 140:4	168:22	39:2 126:13
72:15,22 73:1	144:15 145:14	intent 213:8	149:7 152:18
73:4,10,14	146:8 163:19	interact 22:18	158:19 164:22
74:9,14 75:10	199:13,20	123:13	212:10
75:16 81:21	instance 32:23	interacted	invent 212:11
82:11 92:13	187:25	223:10	invented 7:5
93:2,21,25	instruct 35:13	interaction	145:2
94:6,21 95:2	242:4	102:3,5,7,11,18	invention 73:22
95:22 98:10,15	instructed	103:1	173:19 174:20
98:19 99:1,5	36:18 51:6	interest 248:1,4	183:11,16
100:2,5,12	53:4	248:7,12	184:22 210:10
101:4 102:11	instruction	interested 4:4	213:23,24
105:5,9,15,16	26:2	264:13	243:22
105:21 106:5,9	instructions	interesting	inventions
106:10,14,15	22:20,23 30:24	145:1 237:14	150:4 251:20
107:19,25	31:23,24 33:9	interface	inventor 149:4
108:12 109:4,7	33:13,17,24	144:14	150:14,16,17
109:13,22	34:3,11 35:5	intermediate	152:5 159:4
110:8,10,13,22	36:3 37:9	122:24	182:17 208:18
111:15,24	42:24 43:14	internal 145:13	211:15 212:13
113:17,22,23	49:25 52:19,23	145:17 249:7	inventors
114:1,4,15,18	53:2 59:24		149:12,23

[inventors - know]

151:10,18 210:9 involve 121:17 250:24,25 involved 250:22 ipr 210:19 213:22 irrelevant 47:3 151:8 208:1 214:9 237:1 irvine 2:16 isolate 186:21 isolating 186:5 isolation 184:25 185:7 185:12,12 186:5,15 187:4 187:11 ispn 230:3 issue 23:15 51:5 155:13 156:21 158:19 158:22 180:5 180:10 191:14 194:25 195:15 201:4 202:5,14 204:17,19 209:22,24 211:5 233:1,3 243:20 issued 244:14 issues 83:15 132:13 209:21 209:24 214:3	239:20 240:4 249:12 item 183:17 211:19 items 202:21 iteration 151:21 152:6 iv 147:13 ivac 140:10,12 140:17,22 141:2 143:16 232:8,9	jeulenbelt 182:5 job 1:24 203:20 204:20 265:5 268:2 joe 221:25 222:3 johnson 17:20 17:23 18:2,7 18:10,13 19:1 19:3,7 20:15 21:20 22:1 joining 142:22 joint 139:18 199:4 joseph 221:17 222:5 judge 210:15 224:8 227:19 judgment 9:24 10:2,6,10,13 151:7 julie 231:12 june 156:18,22 156:24,25 157:1 jury 224:9 227:19	268:25 keep 17:4,6 145:18,22 147:19 210:25 keeping 226:24 keeps 176:15 kept 27:22 174:21 256:13 kilpatrick 182:6 kind 13:23 45:10 91:13 111:3 161:6 237:3 239:15 241:12 254:13 kinds 121:12 kit 24:9 87:7,11 126:15,23,25 knew 150:2 250:12 knitting 150:6 knobbe 2:13 4:17 249:13,15 249:17 250:1,8 250:11 251:4 knobbe.com 2:19 265:2 know 8:18,23 15:22 16:13 17:2 20:17,21 36:14,14 40:24 51:16 52:7 53:11,13,17 117:14 130:11 136:19 144:16
	j	joined 142:22 joint 139:18 199:4 joseph 221:17 222:5 judge 210:15 224:8 227:19 judgment 9:24 10:2,6,10,13 151:7 julie 231:12 june 156:18,22 156:24,25 157:1 jury 224:9 227:19	
	jagged 219:9 219:11 january 252:15 253:12 jensen 169:19 169:22 170:2 170:14,17,22 171:17 172:18 173:1,19,20 174:1,19 176:16,25 177:13,21 178:16,21 179:4,5 180:13 181:7,9 jensen's 173:15 jeremy 17:20 17:22 18:2,7 18:10,13,25 19:3,7 20:14 21:20,24 22:1	k	
		k 5:1 126:3 karl 1:15 3:12 4:19 260:15 261:21,23 262:5 265:5 267:12 268:2	

[know - liked]

144:18 149:15 149:18,19,20 149:23 150:3 157:16 159:2,4 159:13 160:2 161:3 170:11 173:9 174:15 179:11 180:11 181:5 214:6 224:15,20 225:14 230:7 245:21,23,24 245:25 246:13 246:24 249:10 250:9 251:1 255:21 258:1 knowingly 152:14 known 153:15 163:17,19,22 186:19,25 197:13,20 250:7 knows 148:8	label 70:25 labeled 208:24 262:18,23,24 labeling 40:17 40:19,21 41:8 42:10 laboratory 44:3,10 45:4 lack 89:7 97:20 111:24 141:22 193:3 207:17 lacks 90:22 192:22 203:4 language 79:11 79:20 languages 85:24 large 155:25 231:8 larger 42:5 166:12,14 late 252:5 law 108:5 207:2 249:9,25 laws 15:9 267:2 lawsuit 7:17,21 8:13 151:5 243:24 245:5 246:6 248:18 248:22 249:1 lawyers 38:2 leak 145:16 leakage 146:9 leaking 143:2 150:25	leaks 43:24 learn 10:9 222:17 246:5 learned 245:5 led 28:10 left 219:21 legal 4:2 8:18 13:23 15:5 29:14 157:9 205:16,25 206:25 207:2 207:13,14,22 209:8 210:1,13 210:23 211:2 212:4 215:14 215:15 216:4,7 257:6 260:18 265:8 legally 157:8 leinsing 1:16 3:13 4:19 5:6 22:25 23:2,8,9 23:22,24 30:15 30:16 32:3,5,6 33:5,7,12,19,20 33:23,23 34:9 34:22 35:4 37:16 47:13 55:9,24 56:1 61:19,22 62:6 62:8,10 63:19 76:17 92:3,5,7 97:5,7 142:9 151:14 161:19 169:24 178:3	182:10 208:10 216:19,21,23 216:25 217:2 223:13 229:10 230:25 235:8 249:18 254:19 260:15 261:4,8 261:21,23 262:2,5 263:2 263:17 265:5 267:12 268:2 268:25 leinsing's 62:6 70:7 72:3,5 length 172:21 lengthen 174:12 178:22 lengthening 178:18 letters 34:17 level 39:10,15 liability 1:8 3:17 library 226:22 226:24 license 256:3,6 256:11 licensed 232:6 232:8,14 lid 183:13,21 184:7,16,19 light 46:13 187:23 237:20 liked 153:14
I			
I 5:1,1 62:6 126:3,3 I.L.C. 1:7 3:16 248:1 265:4 268:1 I.L.P. 4:18 lab 30:7,10 45:19 46:8 221:14,19,19			

[likely - looking]

likely 121:7 150:18 limit 113:11 limitation 164:1,15,23 limitations 62:3 68:5,15 82:24 83:24 84:7 96:16,19 126:10,17,20 126:21,22 131:5 limited 1:8 3:16 11:21 12:7 249:22 line 31:5 52:8 52:10 71:2 142:23 170:7,8 174:19 175:18 184:11 246:23 257:9 263:20 263:24 265:16 266:4 268:5,8 268:11,14,17 268:20 linear 171:3,5 171:11,12 179:9,22 180:3 180:9,16,19,21 180:25,25 181:11 185:24 185:25 186:19 187:13,14,17 187:20 188:18 189:24 190:1	194:1,5,13 lines 173:6,7,8 183:6 184:5 204:24 205:4 linkedin 253:21 254:23 257:16 263:16 lip 25:8 168:14 liquid 24:10,12 26:10,12,13,19 26:21,24 27:1 29:11 115:9 173:23 177:15 192:17 liquids 188:6 list 120:18 149:6 150:12 225:17 228:8 229:25 230:6 240:25 listed 102:21 102:23 150:14 182:17 230:4,6 231:10 239:1,6 lists 250:18 literally 240:15 little 11:14 119:9 140:19 147:7 158:23 170:5 171:24 216:15 219:8 live 199:8 lives 150:23 llp 1:18 2:3 3:22 4:14	local 48:13 49:1 located 203:6 209:15,16,18 location 3:20 109:9 165:2 locations 166:24 203:15 lockdowns 244:6 locked 265:13 266:1 locking 147:22 locks 209:3 long 16:24 17:2 17:3 38:18 44:5 89:12 154:6 176:13 199:11,14 226:15 236:5 237:6 240:25 253:11 longer 167:14 172:1,8 longmire 182:5 look 11:1,5 12:16,19,23 13:6,16 16:2,9 16:11 34:14 45:12 50:23 52:4 86:2 88:22 91:4 101:21 104:19 119:7 121:20 123:2,3 132:4	135:6 148:15 149:9 154:6 155:3,8,18 157:18 166:20 174:25 177:13 177:18 187:5 189:16 200:12 202:19 207:15 219:8 223:3,6 225:2,13 226:15 234:7 243:1,16 248:11 253:18 254:18 257:9 looked 13:6,9 15:17,19 22:11 41:10,12 59:3 68:8 137:22 143:17,20 148:16,22 154:3 155:15 192:11 211:3 224:24 226:19 227:6 240:15 254:1 looking 40:19 47:24 58:10 64:2 65:10 68:12 85:5 112:4,5,11,12 124:10 154:15 176:21 177:6 179:9 182:8 193:1 198:21 206:4 219:10
--	---	--	---

[looking - mean]

223:9 238:17 254:6 looks 34:3 154:16 155:9 166:20 171:1 187:7 230:2 loosening 147:20 lot 13:8 15:19 38:17 54:2 108:24 147:15 222:18 230:18 240:23 251:23 loud 48:7 76:23 170:9 low 145:8 147:5 lower 147:3,9 147:16,16 167:13 187:12 192:15 lube 111:11 lunch 125:10 luncheon 125:22	magazine 237:7 mail 241:8,12 mailed 45:19 46:8 mails 237:24 240:6,8,12,13 240:14,17,19 240:22 242:19 254:2 main 2:14 191:12 233:3 maintain 12:1 12:5 122:12 253:23 maintaining 188:10 make 26:7 37:19 43:5 54:16 64:21 73:25 86:7 95:21 98:17 100:7 104:20 111:11 117:25 129:23 139:1,7 148:11,14 152:19 158:25 162:7 166:12 166:13 167:5 167:16 168:20 169:4 171:17 171:25 172:8 172:20 180:7 186:10 187:14 190:17,18	191:17 192:7 201:20 226:5 231:25 241:3 249:11 252:9 265:15 266:3 makes 25:8 89:11 202:11 making 52:15 54:17 224:1,5 250:13 malpractice 8:11,17 mangraviti 230:8 manner 102:16 manufacture 149:21 247:11 mark 32:4 33:4 54:19 55:23 62:5 151:11 marked 23:2 30:16 32:6 33:7 47:13 56:1 61:19 62:8 87:22 91:16 92:3,5,7 142:9 151:14 161:19 169:24 178:3 182:10 208:8,10 216:19,21,23 216:25 217:2 223:13 229:10 229:13 230:25 231:3 235:8	254:19 marking 66:24 125:20 126:5 163:11 markings 163:22 marks 55:2,6 259:5 marriage 264:12 martens 2:13 4:17 249:13,15 249:17 250:1,8 250:11 251:4 master's 108:1 materials 149:6 158:25 matter 3:14 7:9 25:19 204:3 214:10,11,13 214:14 250:5 264:13 matters 151:9 mean 14:18 28:3 48:21 52:4 72:21 94:9 96:7 102:2 110:7 117:19 122:18 123:3,5 132:19 132:21 135:13 136:10 140:2 150:3 167:2 176:17 193:4 193:15 196:21
m			
m 2:18 265:1 machine 140:11 made 22:14 39:25 51:7 72:11 114:18 158:21 192:10 217:8 255:12			

[mean - minutes]

199:4 200:4 238:21 243:2 244:4 254:9 257:20 meaning 14:24 46:13 64:9 86:15,16 103:17,24 120:10 137:9 167:10 209:18 means 14:21 52:9 65:7 90:18,20 91:11 113:5 171:2 192:24 193:6 193:12,12,15 193:15,21 194:1,2,6,11,16 194:21,22,24 195:4,7,11,13 195:16,18 200:19,23 201:5,6,8,10,15 201:17,19,22 201:24 202:3,6 202:9,12,14,23 204:10,14,23 meant 113:3 156:24 157:1 mechanical 21:1,9,14 36:12 40:10 41:16 96:16 126:9,17,19,22 161:13 193:22	198:14 201:24 202:12 204:18 258:7 mechanically 195:2,4 201:16 202:17 204:16 media 3:11 55:3,7 125:21 126:6 181:20 181:25 259:6,9 260:16 medical 6:22 134:25 135:16 141:11,24 142:2 145:7 146:12,20 148:18,19 149:19 150:7 150:10 151:2 158:3,12,14 163:16,23 193:9 221:19 223:17,21 227:7 247:10 250:25 251:19 253:15 256:4 256:11 257:10 263:4 medicament 174:21,23 medications 173:21,22 meet 96:10 133:6 191:22	member 104:13 128:9 129:13 129:14 138:13 166:13,14 167:15 168:5,7 178:23 181:13 181:13 192:1 196:23 members 117:1 128:16 138:8 membrane 196:16,22 membranes 197:10 memory 19:20 52:16 239:18 mention 147:21 151:8 mentioned 7:15 16:3 29:24 38:5 51:3 85:7 131:11 147:13 147:22 148:1 153:21 163:20 191:7,9 207:19 208:7 222:4 240:2 250:13 mentioning 152:12 mentions 140:10 237:14 merely 77:2,9 172:12 met 65:13 73:7	method 170:25 metzger's 9:14 metzker 39:10 metzker's 39:15 microphones 3:4 microscope 222:20 225:4 microscopy 222:19 mid 141:3 middle 55:11 89:22 99:25 153:6 177:11 185:6 200:5 midpoint 167:12 milliliters 162:11,18 163:2 208:25 million 150:21 millions 53:9 53:14,19 54:2 mind 37:8 68:20 148:18 226:25 mine 70:5 minimized 189:9 minimum 83:16 minute 236:6 minutes 20:21 35:19 36:11
---	---	--	--

[mischaracterizes - multiple]

mischaracteri... 190:14 204:12	191:21 192:4,6	motivation 172:5	moved 120:24 122:3 186:19
misleading 256:17	modify 187:1 188:7 190:8	motivations 54:14	255:25
misrepresented 225:1	modifying 190:22 191:25	mouth 25:25 29:12 49:23	movement 93:7 105:10,20
misspoke 164:18	mofo.com 2:9 2:11	50:6,19 162:12 162:19 163:3	107:22 108:19 108:22,23,25
misstates 21:4	mold 109:12 114:22 115:4,5	movable 130:7 130:10 131:7	112:2,13 113:13,14
misstating 180:18	molded 131:12 131:15 181:2	131:20	120:22 121:4 121:21 122:2
mistake 172:9	molding 54:3 114:25 180:6	move 68:20 69:6,15 72:23	moves 68:24 73:8 76:16
mistaken 213:16	money 54:3,17	73:11,15 74:24 81:15,19 93:11	93:2 94:12,14 102:15 104:25
misunderstan... 64:19	month 17:24 20:3,12	93:17,24,25 94:8,10,21	105:2,5,8,12,14 106:9 113:15
misunderstood 12:15	moot 216:2	95:2,3,6,10,11 95:14,18,20	123:20,22 124:1,11 133:2
misuse 52:19 52:24 53:3,21	morning 3:2 5:6,7	102:14,16 103:25 105:9	133:17 135:23 136:5,11,13
54:6	morrison 1:17 2:3 3:21 4:14	106:4,10,16 107:3,10,20	188:19
mix 167:6 173:24 174:3	mother 246:1	109:18 110:20 110:21 113:14	movie 22:14 moving 77:10
174:17 179:2	motion 10:5,10 10:13 123:17	113:15,17,24 115:1 120:23	94:25 95:8 107:4,15,19
188:23 209:5	151:6 171:11 171:11 180:3,3	122:4 123:7,12 123:21 130:23	108:18 109:2 112:9 123:24
mixture 58:22 60:4	180:22,24 185:25,25	133:10,13 135:24 136:6	132:12
mode 174:24 184:21 191:12	190:1,1	140:18 143:23 166:9 171:24	multiple 58:11 65:14 121:17
modification 178:22 190:16	motions 9:23 10:1	211:10	121:19 175:7 188:5 198:10
190:20 191:6,8	motivated 172:7 174:16		220:3 226:20
191:18			
modifications 190:17 191:2			

[mute - object]

mute 3:6	97:17 101:23	new 1:18,19,21	note 3:4 32:18
n	104:18,20	3:22,23 8:5,7	137:23
n 2:1 5:1,1	106:25 109:13	63:24 199:8	noted 29:22
126:1,1,1,3,3	110:7 115:1	255:25 264:4	39:20 260:22
261:1	119:7 121:10	newton's 108:4	notice 1:17
name 3:24 23:8	137:17 147:1	nexus 233:4,7	43:24
221:16 230:10	160:2 166:13	233:15 237:3	noticing 4:11
231:12 245:8	167:14 172:3	237:10 238:17	nucleic 60:12
245:22 247:3,4	174:11 187:12	239:15 241:4	60:22
255:24 256:1,2	190:17 192:7	nicholas 2:18	number 3:19
256:9 257:7	194:16 198:1	265:1	23:5 30:19
named 150:16	198:20 200:12	nicholas.zovko	34:5 38:22
151:18	228:3 234:7	2:19 265:2	47:11 53:11
names 19:23,23	235:24 237:6	nick 4:16	54:20 55:3,7
38:6 39:7	253:4 256:4,10	181:16 245:11	55:25 125:21
230:8 245:7	258:2	non 148:19	126:6 142:12
narrowly	needed 191:18	200:2 241:8	151:12 156:2
192:11	192:10 220:21	nonenablement	181:21,25
national 48:13	256:1 257:25	142:13	183:9 185:2
49:1	needle 7:5	noninfringem...	189:5 192:1
nature 85:8	145:3 150:15	16:25 17:16	205:12,20
near 144:25	150:20 227:25	126:13	230:3 250:18
168:9	231:5 263:13	nonobviousn...	252:24 259:6
nearly 141:24	needlestick	232:19,24	259:10 260:16
176:18,20	150:23	233:10 239:25	265:16 266:4
necessarily	needs 104:23	nonresponsive	numbers 7:25
20:1 104:18	107:13,16	211:11	23:6 34:4
106:25 146:1	117:22 166:1	north 226:17	205:2
necessary 29:4	180:20 252:18	255:22,25	
225:8 265:15	neither 241:21	257:12	o
266:3	never 68:20	notary 1:20	o 126:1,1,1
need 20:22	109:2 110:21	264:3	object 11:19
29:22 48:16	113:4 146:19	notating	28:24 60:24
49:8 52:4 81:1	148:18 226:2,7	265:16 266:4	72:1 233:17,23
86:21 90:5,12	230:13		242:3

[objection - open]

objection 12:1 12:3,5 13:21 14:7,15 15:15 15:25 16:20 18:14 20:16 21:2 24:22 27:20,25 29:13 30:8 31:22 33:15,21,25 37:2 38:4 40:9 42:14,20 43:2 43:11 44:12 45:6,21 46:10 48:3,20 49:6 49:12 50:21 52:25 53:23 54:11 56:19 57:1,9,16 63:18,21 65:18 66:4,10,16 67:2,6 68:25 69:10 71:10 72:11 73:13 75:13,21 78:3 78:17,25 79:4 79:17 80:9,18 80:23 81:9,17 83:6 93:5 94:22 95:25 96:6 98:16,21 99:2,6,19 100:16,25 101:8,20 103:13 104:17 105:7 106:6	107:11 110:2 111:2 112:23 114:20 115:14 115:19 116:12 119:6,20 120:19 121:6 122:16 123:1 126:18 127:19 127:24 128:12 128:17 129:4 129:10,16,22 130:8 132:17 133:12 134:9 135:25 136:8 137:4 138:10 140:14 141:19 144:5 145:24 148:24 151:23 152:8 159:15 159:23 160:22 161:11 162:20 162:24 163:5 164:17 176:10 179:6 190:13 190:23 192:5 193:17 194:7 196:3,9,18,25 197:12,19,24 198:19 200:20 200:25 204:11 205:15,23 208:4 212:3 213:10 215:13 216:11 221:2 224:18 233:20	234:12 239:2,7 242:2 245:16 257:18 258:11 objections 4:6 152:21 objective 232:18,23 233:9 objects 104:22 138:19 obtain 189:10 obtaining 188:12 obvious 15:4 148:6 163:18 176:1 178:25 186:23 190:18 obviousness 182:2 occur 141:7 occurs 92:18 offer 239:22 offered 173:23 offering 60:21 84:8 86:8,9 156:14,19 157:3 159:14 159:21 177:17 233:8 office 58:15 265:12 offices 1:17 oh 54:24 139:15 255:8 257:4	oil 142:23 okay 15:11,21 21:25 22:7 28:6 32:3 34:21,23 43:9 45:1 46:4 49:4 49:19 52:1,18 54:19 61:4,17 63:1 64:5 70:14 74:5 76:24 77:5 84:1 87:24 88:6 98:24 125:18 152:23 154:24 155:20 162:7 169:11 170:13 177:25 181:15 183:1 225:16 232:15 235:15,21 245:13 246:12 255:16 259:1 old 18:19 170:1 254:24 once 30:6 95:15 ones 145:9 219:8 239:1,5 240:9 online 226:2 open 27:14,19 27:24 28:10 32:12 33:4 71:23 72:14,20 88:3,24 112:15 153:3 166:22
---	--	--	---

[open - original]

171:22 186:20 193:12,23,24 193:25 194:17 195:21 197:22 opened 27:10 32:16 195:9,10 opening 24:15 24:20,25 25:2 25:3,7 29:10 49:21 50:4,10 50:18,24 52:7 52:7,9 55:16 66:9,12,14,20 67:11,24 70:1 71:22 72:14 97:4,6 98:10 100:11,14,19 100:23 101:3 102:12 103:20 104:7,14 105:4 105:22 106:3 108:10,15 110:17 111:23 113:20 115:13 115:17 116:7 116:11,14,15 116:16 117:3,6 117:7,9,10,15 117:18,24 118:7,8,14 119:4,9,11,13 120:6 123:9 124:2,23 127:8 127:22 128:11 128:14 131:18	149:10 162:1 163:8,9,25 169:14 170:3 183:3 192:15 192:25 203:3 234:1,9,14 235:15 236:16 262:4 opens 112:10 193:15 operable 181:2 operate 139:10 143:23 156:4 operates 135:9 136:14 148:20 operating 22:22 operation 21:14 224:9 operations 219:22 opine 98:9 243:8 opined 82:14 opinion 16:17 36:6 39:9,15 40:5 42:4,12 50:3,17 52:18 53:16,18 54:13 57:7 60:16,21 62:15 69:7,17 70:20 73:9,19 81:24 83:10 84:9,14 89:14 90:7 96:16	98:17 99:13 102:9 107:8 119:18 121:9 126:10 130:20 139:6 144:2 154:5 156:14 156:19 157:4 162:16 164:14 164:22 165:8 165:25 167:19 177:17 192:21 213:6 216:10 233:8 234:10 234:11 opinions 13:13 13:20 14:6 16:25 22:2,4,5 22:9 29:18,19 29:21 36:20,25 39:20 42:2,19 46:5 51:8 61:3 61:13 62:2,19 62:23 65:14 81:10 86:10 100:8 140:13 140:16 142:13 143:21 146:24 148:13 152:17 159:14,21 160:1,3,6 161:15 165:2 204:1,6 205:1 205:6 206:13 207:17 233:12 234:2,23	235:16,18,21 236:17,19,21 238:25 239:3 239:22 241:3 260:1 opportunity 141:8 234:16 234:20 opposing 160:10 opposite 108:9 121:2 optional 184:22 order 25:20 47:18 73:11,15 110:20 124:12 139:9 192:8 206:18 213:17 215:20,24 216:8 220:25 244:13,16 246:20 252:20 ordered 221:12 ordinary 39:10 39:16,24 46:12 86:15,16 120:9 258:6,9,17 orientation 74:20 oriented 74:17 origin 236:25 original 63:24 188:1 265:11 265:22
--	---	--	---

[originally - partners]

originally 232:7 osteomed 253:9 outcome 4:5 7:11 248:8 264:13 outer 69:5 81:20 82:7 95:17 100:18 105:11 114:13 114:16 119:12 128:6 outline 191:23 192:20 258:22 outlined 40:4 191:5 192:13 232:25 233:13 outlines 160:17 outlining 47:8 203:21 outside 1:13 12:17 36:16 47:17 50:14,15 51:2 52:10 53:4 86:13 123:23 124:1 124:21 128:20 146:8 176:13 199:1 250:7 own 38:25 84:2 141:23 160:6 196:19	p p 2:1,1 p.m. 125:22 126:2 260:22 p501 48:11 package 32:16 32:22,25 33:1 33:4 35:6 88:3 88:5 118:25 219:18 page 34:2,11,12 34:13,13,22 48:5,9 116:19 118:15 152:24 153:13 154:7 154:10,11,23 155:18 183:3,6 183:9,10 184:5 189:3 202:20 208:17,22 210:4 225:15 253:10 255:14 256:23 261:3,8 262:2 263:2,20 263:24 265:16 266:4 268:5,8 268:11,14,17 268:20 pages 1:25 38:22 230:23 236:3 265:15 265:18,18 266:3,6,6 paid 6:9,12	pair 85:16 86:3 86:5 88:4,23 88:25 89:16 91:3 paper 33:3,5 paragraph 69:24 70:2,17 71:20,20 72:2 72:6,12 76:2 76:18,19,23 77:14 82:5 83:13 98:5,8 100:20 111:20 112:19 116:20 118:16 119:16 120:2,3,4,15 157:19 163:24 164:3 167:19 169:9 173:4 192:25 193:1 201:4 202:7 203:2 238:11 paragraphs 83:17,17,18 164:4,15,23 231:14 part 22:13 34:4 34:5 40:12 42:11 47:2 54:16 56:22 57:4 64:19 65:21 66:18 73:7 75:14 81:24 82:2 89:6 93:23	96:4 101:22 107:6 111:7 112:6 114:16 115:4,10 121:1 121:1 122:3 123:5 131:12 132:7 134:19 136:11 161:2 173:23 175:19 181:6 198:14 201:23 206:3 207:21 209:9 215:18 221:5,7 231:8 255:20 partially 11:24 particles 166:17 167:22 167:24 169:2 particular 101:22 102:20 104:19 111:5 112:7 121:22 124:6 158:18 226:3 227:25 particularly 135:5 parties 3:9 224:8 260:16 264:11 partition 174:22 175:18 partitions 175:8 partners 247:2 247:5,8,15,21
--	---	--	--

[partners - person]

248:4	102:19 123:23	211:7,16,20	pebbles 166:16
parts 75:22	126:11 127:4	212:6,7,14,21	penalty 265:17
77:14 95:23	129:1 134:6,7	214:4,22 215:1	266:5 267:1
96:1 103:8,10	134:17,21	215:18 224:17	pending 61:7,8
110:24 111:10	135:7,18	232:6,20 237:2	people 20:3
112:5 114:2	136:21 137:1,2	237:4,15,15,16	53:14 226:5
122:4 123:6,8	137:11 141:17	237:17,20	percent 40:15
124:13 147:23	142:11,14	238:23 242:24	40:18 41:23
174:17 181:4	143:6,7,8,9,24	249:16 258:10	42:7 251:18
219:5,6 220:8	144:11 149:5	258:18 261:19	252:3
220:20,22	149:13,24	262:6,7	perform 148:5
222:15,24	150:13,15	patent's 210:8	221:10
224:1,6,10	151:18 152:5	patents 9:22	period 176:13
225:1,3,5	152:14 153:20	10:15 15:1,4	265:19 266:7
party 4:3	156:15 157:5	15:20 16:23	periphery
patent 7:6,9,14	159:22 161:14	43:4,5 44:18	183:20 184:14
10:18 16:18	161:22,25	48:23 51:14	perjury 265:18
29:10 36:22	165:22 168:22	56:21 57:3	266:6 267:1
39:12,17 44:2	169:23 175:6	58:3 61:15	permit 183:21
44:9 45:3,18	175:22,23	96:23 97:25	permitted 12:8
46:7 49:14	176:7,11,22,24	120:21 146:21	perpendicular
51:10,18,20,22	177:2 178:6	160:13 177:7	67:13 68:1
52:5,12,15,17	188:5,21 190:6	198:22 200:8	person 15:3
54:10 57:22	190:19 192:22	200:16 233:6	39:24 46:11,15
58:10 61:4,10	193:7 200:17	236:25 237:18	46:15 47:5
61:18,22 62:11	200:22 201:7	238:5,14 241:3	78:6 86:17
63:4,6,20 64:6	203:4,25 204:6	241:6 243:19	88:15 89:2
67:8 73:21	204:25 205:5	243:21 246:8	90:4,11,17
76:3,7,14 77:1	205:11,14,18	246:10,13	91:9 134:25
77:6,15,20	205:19 206:2,3	252:25 253:14	137:5,15
79:24 80:8	206:5,9,19,21	254:12	140:25 162:8
81:7 83:9 87:1	206:21,23	path 227:12,21	163:15 166:8
88:10 89:3,9	207:3,4 208:16	227:24 228:6	166:22 167:17
89:21,23 96:3	208:19 209:11	pdf 265:13	168:10,21
96:17 97:9	210:6,19 211:7	266:1	171:21 172:6

[person - points]

172:19 174:10	pick 3:5	places 19:23	200:21 207:12
175:25 178:15	pictorial 177:8	203:10	208:21 213:2
179:11 180:10	picture 22:23	placing 27:12	217:5 225:11
181:4 186:8,23	31:16 35:12	28:8 174:7	225:14 233:20
191:16 215:4	53:6 70:4	plain 46:12	246:13 248:19
231:9 258:5,9	100:21 118:17	86:15,16 120:9	255:13 259:10
258:13,15,17	118:21,24	plaintiff 1:6,16	plenty 202:13
258:19,20,24	119:2,15,22	2:7 3:13 8:2	pliers 85:15,17
person's 155:4	155:3 169:19	plan 73:25	85:18,23 86:3
personal 6:19	220:9,11	play 23:22	86:5 88:4,24
7:15 141:23	227:22 228:4	playbook 223:4	89:1,17 91:3
230:19	229:24 254:25	playbooks	plunger 170:20
pertains 120:20	pictures 9:19	223:1	174:9 190:2
pertinent 9:25	22:13 32:2	played 23:24	197:18 201:19
10:3	38:8 119:8	please 3:4,6 4:7	plural 71:1
perusing	137:23 220:15	4:9,23 10:25	plus 193:21
157:14 170:12	piece 33:3,5	23:20 31:14	194:12 195:4
173:11 190:24	48:22 49:13	32:8,12,14	201:25 204:15
235:23 236:7	133:24 191:14	33:2 34:21	pohl 2:10 4:21
phone 20:24	228:5	36:23 39:13	point 19:25
photograph	pieces 159:5	44:6,18 48:5,7	34:8 91:24
154:13	213:12 237:21	51:13 55:24	124:6 125:10
phrase 56:7	piercing 168:7	58:2 63:15	134:18 141:25
77:18 135:19	178:23 192:1	67:19 69:20	154:9 171:5
193:5	196:16,23	71:19 74:12	182:7 191:9,21
physical 102:3	197:10 201:8,9	76:22 92:10	197:5 235:1
102:5,6,17	pinching 168:1	98:4 116:25	258:3
103:6,9,11	pipe 142:23	118:15 129:6	pointed 70:10
106:13,21	pivoting 76:10	152:23 153:8	166:13 168:5
110:23 122:15	201:18 202:16	153:12 154:10	181:13
122:18,21	place 3:9 168:1	154:22 155:18	pointing 72:18
physically	174:6	156:1,13	72:22 77:13
112:17	placed 27:8	162:13 169:9	154:17
physics 111:7	122:11	170:6 173:5,8	points 187:9,19
		174:18 182:23	

[polish - previously]

polish 220:24 221:4 222:15 polished 218:20 219:24 221:22 262:24 polishing 220:4 221:11,15,24 politely 63:6 polymers 158:11,13,18 pops 89:22 portion 24:13 24:16 25:7 77:2,9,11 79:9 84:19 112:8 115:20 119:10 119:12 128:10 130:22,24 132:15 135:2 135:19,22,24 136:4,6,12 141:13 165:11 167:8,10 173:13 187:14 187:19,20 189:18 215:8 240:16 portions 68:19 179:1 position 71:17 75:20 76:11 84:16,21 85:3 86:6 87:4 88:12,18 89:19 90:2 110:1	232:23 possess 258:6 258:13,16 possession 210:9 212:1,12 possible 139:1 139:6 147:24 251:7,9 258:12 258:14 possibly 68:10 200:12 potential 189:8 potentially 14:23 15:2 potting 222:18 222:21 pounds 146:16 pour 26:15 poured 24:10 24:12,23 26:10 26:12,19 powder 173:24 practical 144:7 practices 68:4 68:15 pre 84:11,16,21 85:3 86:6 87:4 88:12,17 89:19 90:2 91:11 151:21 152:6 preamble 126:10 prefaced 74:21 preferable 188:23	preferably 183:19 184:13 186:3 preferred 28:1 186:7 188:25 premarked 217:12 prep 8:25 preparation 9:9 10:22 prepare 9:3,12 9:18 11:2 22:8 140:12 prepared 99:22 148:2 preparing 8:22 40:22 47:23 235:11 present 2:21 4:9 19:10 190:5 221:21 221:24 240:13 240:17 242:17 243:8 presented 141:20 243:1 preservation 36:7 156:8 160:12,16 190:12 250:23 preservative 176:4,9,12 177:9,14 188:4 190:2 191:19 192:17	preserve 189:17 preserving 60:12,22 126:16 188:13 189:11 209:1,5 pressure 143:3 144:17,19 145:12,21 146:2,8,13,15 146:16,18 147:8,14 199:23 pressures 145:4,5,9 147:1,3,5,7,10 147:11,16 pretty 20:24 47:8 123:5 148:6 155:5 163:17 166:21 169:6 179:8 230:18 254:11 prevailed 7:14 prevent 49:2 71:7 75:18 82:12 143:2 preventing 172:9 prevents 71:15 previous 12:16 21:11 32:19 previously 21:7 91:16
--	--	---	--

[primary - psia]

primary 185:21 print 58:14,15 61:2 printed 252:12 252:14 prior 11:10,12 11:17 12:17,17 12:19,21,24,25 13:3,8,8,9,12 13:14,15,16,19 13:23,24,25,25 14:3,9,12,17,18 14:20,22,24,25 15:1,6,9,12 16:14 138:16 141:9 148:16 149:14 151:2 152:1 157:10 159:5 163:20 180:13 181:5 186:24 187:23 191:15 197:14 214:2,16 235:19 236:19 237:21 238:1 238:24 priority 14:25 156:15,18 157:4,7 private 3:6 privileged 11:20 29:2 242:3,14	probably 149:1 153:23 226:23 244:8 254:3 problem 201:2 problematic 72:25 73:6 191:13 problems 19:21 procedure 221:6 222:12 265:20,21 proceed 4:24 23:20 92:10 217:5 259:10 proceeding 4:7 210:19 213:22 process 172:16 produce 222:8 produced 148:18 product 11:20 16:17 18:4,5 18:15,17,21,23 22:8 29:2,16 30:4 45:7 53:21 60:11 63:16 64:12 65:25 74:10 82:8 84:4 88:8 89:4,17 126:15 257:10 261:13 261:16 262:21 production 30:19 47:11	products 16:22 18:7 41:3 120:21 149:21 200:15 243:5 246:22,25 professional 1:20 256:5,12 profile 220:7 253:21 254:23 257:17 263:16 project 140:17 projects 251:19 pronounced 23:8 pronouncing 165:15 proof 56:15,16 200:2 proper 43:3 85:22 89:5 161:18 223:5 225:2 228:25 238:7 properly 45:7 49:8 221:7 proposed 258:8 prosecuted 212:21 prosecution 237:19 protected 249:21 protective 47:18	protocol 222:6 222:9,11 protrusion 168:3 prove 141:9,16 proven 56:9 provide 16:16 42:2 51:24 58:2 provided 12:11 242:7,12 265:20 266:8 providing 96:15 provisional 205:11 206:2,5 206:8,12,23 207:16,25 208:12,16 209:11,25 211:18 212:6 215:17 238:16 262:16 proximal 134:23 135:1 135:15 136:4 136:12 proximate 134:8,13,15 ps 34:5,7,17 psi 143:4 144:21,25 147:12,14 psia 146:14
---	---	---	--

[psig - questions]

psig 146:15,23	punctures 188:18	pushing 108:14	21:12,12 28:2
public 1:21		146:4,4 170:19	28:4,7 44:5,14
264:3	puncturing 167:14	206:18 210:25	44:16,19,21,23
publication		pushrod	45:23 56:24
142:12,18,21	purdue 30:1	171:25 177:16	60:18 61:6,8
143:1,9 144:11	purpose 20:25	179:9	62:25 63:14,20
158:8 182:16	21:8,25 72:24	put 20:11 25:14	63:23,24 64:4
228:8,22	114:24 176:7	25:24 26:3,13	64:15,16 69:22
231:15	186:18 188:7	26:20,21,22,24	70:19 72:8,9
publications	188:15	27:1 37:7 38:8	77:19 79:14
225:17 227:5	purposeful	74:15 86:5	80:6,7 83:3
230:1,6	213:8	89:18 92:13	84:11 86:25
publicly 152:1	purposefully	93:3 96:24	87:9,11,17,23
publish 225:23	212:23 213:18	104:22 110:19	88:7,8 89:13
published	213:21 214:15	111:11 121:23	91:21 94:11,18
143:12 226:21	214:18	122:5,19 148:7	96:14 101:23
228:15 230:15	purposely 54:5	156:12 163:22	109:11 110:6
230:20	206:8,9 210:17	165:17 168:12	111:4 114:9,11
publisher	211:20 212:15	168:13 172:16	117:4,21 118:1
226:11	purposes 25:18	174:14 176:15	118:2,5 121:10
puglisi 9:6,7	41:1,21 83:21	176:17 181:3,6	127:13 131:4
60:19 61:12	98:23 99:7,21	197:3 207:10	132:2 134:5
96:21 160:21	245:24	230:13 248:14	152:3 157:9
248:23,25	pursuant 1:16	puts 25:5	182:13 183:9
puglisi's 9:15	push 109:25	199:23 203:17	205:25 207:1
62:19 160:9,11	171:18,20	putting 37:8,25	207:15 209:8
161:15	172:3,11,17	89:16 172:10	210:1,2,13
pull 33:3 85:19	180:21 185:23	172:12 176:2	211:2,12
256:1	207:6 209:20	226:25	215:16 216:4
pulls 226:3	pushed 109:8	q	234:18 256:24
pump 140:12	185:19 186:13	quarters	questions 5:17
140:15 147:13	pushes 108:11	166:21	51:24 52:16
pumping	108:12,15	question 5:21	58:6,18 61:11
145:15	113:20,22	11:14,24 12:16	61:16 62:15,18
	177:11	14:19 21:6,8	62:22 74:4,6

[questions - recall]

91:5 207:13,15 260:6,10 quick 23:14 quickly 20:24 quite 12:25 72:21,23 135:12 140:2 155:25 quote 49:10 76:3 212:22 256:11 quoted 165:24	read 31:14 45:9 48:7 51:14,18 67:15,17 76:5 76:17,20,22 79:23,24 80:16 86:1 136:25 151:6 170:7 173:8 189:21 205:10,17,18 210:11 211:12 226:5 228:10 235:25 246:9 reading 62:16 62:21 63:20 76:7 90:5 162:21 173:12 195:3 215:5 246:8 255:7 265:24 266:9 reads 89:2 reaffirmed 214:21 reagent 56:17 56:21,25 57:4 57:7,10,11,13 57:24 58:23 60:5,7 71:8 75:19 80:5 129:2,3,8,9 145:19,20 146:5 164:6,8 165:3,9,10 188:17 193:11 197:1 203:5,10 205:7 206:10	206:19 207:8 209:14 210:16 210:20 211:16 211:24 212:1 212:18 213:24 214:12 215:6 215:11,25 reagents 27:24 28:11 57:8,12 57:15 59:17,19 71:7,16 75:12 75:18 78:1 79:12,22 117:9 145:22 164:8 164:10 188:3 188:24 214:23 realized 256:1 really 18:19 20:22 29:8 94:11 110:3 115:8 153:24 153:25 154:14 154:16 203:20 210:21 226:14 248:11 250:12 253:24 256:4 reason 5:24 51:19 54:4 82:21 89:6 207:22,23 214:5 215:21 222:22 268:7 268:10,13,16 268:19,22	reasonable 137:18,20 210:6 reasons 29:23 54:8 88:25 147:25 184:10 207:20 208:6 214:1,7,10,14 240:2 rebut 153:18 234:16,20,22 rebuttal 62:7 97:13 98:5,9 119:16 120:4 120:15 138:17 142:1 225:14 234:3,15 235:7 235:11,13,19 236:20,22 239:4,23 252:16 261:20 261:22 263:14 recall 6:24 7:1 7:24 10:11 11:3,7 12:22 13:5 15:16 16:1,8,12 17:25 18:3,5 18:16,18,24 19:2,5,9,13,19 20:10 38:17 41:11 47:24 97:21 134:10 149:2 156:20 159:12 160:24
r			
r 2:1 5:1 126:1 126:3 261:21 261:23 262:5 268:4,4 r&s 266:1,9 ram 168:13 197:18 201:18 random 227:23 rare 258:14,22 rate 248:6,12 248:15 razor 99:24 219:3,16,20 220:3 reaches 100:14 reaction 108:9 108:19 109:4 110:11 113:13 113:17 121:25 209:13 reactions 158:15			

[recall - release]

161:6 221:25 222:2 224:19 241:1,8 243:25 244:5,10,12 247:6 251:6 259:19 receipt 260:12 receive 29:11 127:22 162:11 163:3 241:15 received 150:5 receives 66:15 66:20 receiving 49:22 50:5,19 60:12 60:22 66:2 67:1 164:11 recently 229:4 recess 23:18 55:4 92:2 125:22 181:22 216:18 236:12 259:7 recite 137:2,12 recites 67:9 recognize 24:1 30:20 47:20 56:3 62:10 161:23 178:5 182:15 208:13 208:15 217:19 218:1,12 223:15,19 231:2 254:22	recollected 140:16 recollection 20:13 reconfirmed 214:21 record 3:2,10 4:11 20:11 23:4,17,20 42:17 55:2,6 70:6 72:1 92:1 92:10 96:25 125:20 126:5 127:15 181:20 181:24 216:17 217:5 236:11 236:14 259:5,9 260:19 264:8 recorded 3:12 recording 3:8 records 10:21 17:4,6,10 recreates 186:14 recreating 187:2 reduce 56:10 refer 49:10 reference 83:13 91:19 124:7 134:18 163:11 169:17 175:12 176:25 181:10 181:10 187:6 205:13,21	215:10 referenced 23:23 265:7 references 152:15 236:25 237:16 referred 178:9 182:21 referring 29:25 34:16,18,20 39:5 75:1 106:18 120:14 126:23 130:25 131:1,22 135:16 138:6 140:6 143:6 145:11,13 156:11 171:13 171:15 172:25 176:20 229:25 237:3 238:8 253:7 refers 237:6 reflect 254:15 refusing 52:11 regarding 7:4 165:2 242:19 regardless 90:9 103:25 190:6 204:19 212:14 243:7 registered 1:20 regular 147:4 181:12 200:1	regulations 48:13 relate 242:6 related 1:12 4:3 8:1 9:25 11:4 12:13 14:23 19:15,17 160:8 264:10 relates 160:25 relation 106:9 123:24 133:14 relationship 99:16 101:12 101:25 102:2,7 102:10 103:2,7 103:10,12,16 103:24 104:2 104:21,24 106:13 107:14 107:16 114:2 117:8 122:13 122:15,21 241:4 247:15 247:20 relative 93:7,8 94:1,4,21 95:6 95:11,13 123:17 124:6 133:3,4,5,10 135:11,13 146:7 relatively 252:13 release 27:19 27:24 28:10
---	--	---	--

[release - representing]

156:8 164:10 released 59:17 59:18 265:22 releases 27:14 199:12 releasing 186:13 187:2 209:4 relevance 200:7 relevant 13:10 13:10 149:11 150:2,3 151:10 152:11 161:17 241:9 reliable 188:12 189:11 relied 62:19 142:7,11 rely 96:21 relying 73:19 remain 115:12 115:16 122:8 252:21 remember 19:9 19:25 20:2 42:7 59:2,6 62:23 65:10 92:15 228:23 245:11 250:14 250:16 251:8 251:10 remembered 32:20	remembering 19:22 20:4 191:4 remove 115:4 206:9 213:9,20 220:5 256:9 removed 59:15 206:8 210:17 211:20 212:15 212:23 213:18 213:21 214:20 reopened 184:2 184:9 repeat 10:24 27:16 44:6 63:14 66:17 70:18 74:12 96:13 129:5 162:13 200:21 205:2 248:19 repeatedly 241:24 report 9:15,15 13:2,4,11,18 14:1,13 15:13 15:24 17:13 24:4 29:15,22 29:24 36:19,24 37:22 38:3,12 38:13,16,20,24 39:1,2,21 40:4 50:7,9 51:8,22 61:1,9,25 62:7 62:16,21 65:9 65:10,11,14	68:7 69:21,24 70:2,3,8,13,15 70:17 71:20,21 71:22 72:3,5 72:12,14 76:3 82:5 83:14 84:2,18 85:7 86:11,12,23,25 90:22 96:19 97:4,6,13,20 98:5,9,18 99:14 101:15 111:19 112:20 116:19 118:16 118:17 119:16 120:2,4,15 128:1 129:18 134:16,24 138:17,18 140:10 142:1 148:1 149:7,11 153:16,22 156:17 157:8 160:17,25 161:6 162:1 163:25 165:18 169:10 173:4 178:9 179:7,21 182:8,21 183:3 187:24 189:23 190:15,21,25 191:3,5,21,24 192:20,25 202:8,20 203:3 206:16 207:17	210:3 220:13 221:1 225:14 228:6 233:1,13 233:18 234:1,4 234:8,14,16,18 234:21,21 235:7,11,14,16 235:20,25 236:16,20,22 238:12 239:5 239:23 242:18 252:16 261:20 261:22 262:4 263:14 report's 234:9 reporter 1:20 3:25 4:23 reports 9:13,14 11:13 12:18,20 12:22 16:15 17:16,18 41:1 44:18 47:23 58:3 61:13,14 61:15 97:1,25 160:9,10,19 225:13 240:24 represent 4:1 5:8 representation 30:23 252:21 represented 59:7 representing 250:2
--	---	---	---

[reproduce - right]

reproduce 71:21 72:13	respect 126:16 126:19 164:22	reused 30:13	40:8 42:13,19
request 70:11	164:24 165:7	reveal 37:17	44:4,11 46:2
requested 58:4	258:10	242:5 249:19	48:19 49:11
63:6 266:1,9	respond 142:1	revert 181:5	51:12,17 52:21
266:10	160:4	review 9:11	52:24 56:8
requests	response 5:17	10:1 29:18	58:25 60:13
263:23	151:7 229:3	39:3 40:21	63:4,13 74:11
require 51:10	236:22 239:4	47:22 149:13	77:15 83:14
64:6 90:1	239:23	160:19 161:10	84:17,25 85:12
102:4 108:21	rest 79:10	161:16 203:24	87:15 90:3
113:9 136:22	94:17 132:13	204:24 205:4	98:12,15 99:23
144:10 190:9	result 8:12	206:11 234:17	100:15 103:12
required 47:9	107:4 108:20	240:6 242:21	106:20 107:10
57:21 80:13	108:23 109:1,5	260:11 265:9	108:2,16
180:4 191:22	113:13,24	265:11,14	109:10 111:19
192:4,19 195:8	122:1 194:15	266:2	112:22 114:19
196:20 223:9	209:12 231:7	reviewed 9:13	116:7 125:3
requirement	resulting	9:19,21,22,22	127:18 128:4
29:9 189:1	121:21	10:4 15:7 32:1	129:15,21
210:5	results 36:2	58:21 68:6	132:8 136:7
requirements	188:12 189:11	159:25 161:6	139:25 140:4
45:11 131:19	246:2	204:5 206:6	141:3 142:14
requires 102:5	resumed 126:3	235:10,13	143:4,16 144:3
107:9 142:3	retained	241:1	145:12,23
reserve 160:4	260:18	reviewing	146:10 149:8
225:7 239:19	retire 252:5	153:19 177:22	152:4 154:20
240:3 260:10	retracted	239:18	155:1,4,8,16,22
reservoir 98:11	214:17	ridge 110:8	156:9,16 157:5
127:7 138:14	return 84:10,15	right 16:19	160:4,14,21
resides 207:8	84:19 85:2	17:13 24:11,16	164:11 165:15
resolve 204:19	90:2 265:18	25:25 26:23	167:15 173:1
resolved	266:6	27:7 28:15,18	174:13 176:9
204:17	returning 87:3	30:4,25 31:5	178:9 182:6
	88:11,17	32:24 33:2	183:4,9 184:25
		34:15 35:16,20	185:8,14,20

[right - says]

186:6,16	176:2,16	s	164:10 166:7
188:14,24	177:11 178:19	s 2:1 5:1 126:1	168:19,25
189:13 192:24	178:22 179:14	126:1,1,3	172:10 176:8
194:23 195:14	180:11	261:7 262:1	184:1 185:5,7
196:8 197:11	room 45:20	263:1 268:4	186:21 187:10
197:18,23	46:9 150:17	safe 260:5	188:13,17,24
198:18 199:20	168:19 222:1	safety 48:2,6,10	189:12,18,18
200:19,24	rotary 171:11	49:9 51:4	190:11 191:19
201:8,19 203:7	rotated 188:19	sales 149:22	191:20 192:17
203:12 207:11	rotates 202:22	saliva 25:5,9,10	239:11
217:9 219:3	rotating 180:2	26:25 28:20	samples 44:2,9
224:2,10 225:7	180:20 186:20	31:4,13,20	222:17,20
225:18,21	rotation 67:13	35:8,14,19	san 2:6 199:25
227:6,8,14,19	68:2 137:12	36:11,15,16	sanding 222:7
228:2,10	183:21 185:23	49:22 50:5,19	sandpaper
231:10,15,19	rotational	51:1,11 52:6,9	220:4 221:13
235:12 239:19	185:24 189:25	53:8 55:11	satisfy 73:16
240:3 242:1	189:25	59:8,9 101:18	83:24 84:7
250:19 251:8	rough 218:11	155:1,6 157:25	192:8 210:4
252:15 255:18	219:11,16,18	158:8 162:11	save 54:1,2
258:10 260:11	220:10,12,16	162:16 163:3	150:22
rigid 166:16	262:23	167:6,8 172:11	saw 35:10 41:8
ring 124:1	roughly 144:20	176:14 193:10	41:9 68:9
130:15,17,21	round 140:3	203:11 209:6	118:24 184:5
130:22,24	rsh 1:3 3:20	250:22	206:6 219:4,7
131:10 132:6,7	rubber 142:4	sample 29:11	219:17,20
135:8 136:16	155:8,10,14	35:19 36:3,11	220:2 246:1
136:19 140:4,4	199:12,23	45:4 48:18	saying 31:18
141:12 144:14	rudis 2:23 3:24	60:13,23 66:1	35:6 77:25
168:3	rule 11:22 12:7	66:3,7 67:1	118:4 119:14
risk 50:13	rules 266:8	98:11 126:16	119:21 122:23
robert 2:23	run 132:12	127:1,7,16,23	124:17 125:13
3:24	rupture 185:20	129:15 138:14	151:25 191:11
rod 171:8	186:1	152:25 162:11	says 26:3 34:6
172:20 174:12		162:18 163:3	35:17 48:4,11

[says - section]

51:15 52:5	137:9	130:4,6,16,20	68:2 74:16
56:8,12 67:20	screw 93:9	131:14 132:25	78:1 79:11,21
69:25 70:25,25	137:17,19	133:9,19,20,24	80:4 98:23
76:25 77:24	screwed 59:13	135:23 136:5	99:21 114:1
78:19 79:11	59:16 92:19,21	137:20 138:21	122:9,12 164:7
82:1 85:14	130:3 133:8	218:3 219:2	169:14 179:16
88:16,20 90:24	138:21	246:23 261:13	seals 118:13
120:6 152:25	screwing 71:9	261:15	143:22
154:19,25	167:25 168:6	seak 228:20	search 10:20
155:21,24	170:23	seak's 229:15	11:9,11,16
156:3,6,11	sdna 16:17	263:8	157:10 226:9
175:18 183:12	22:8 24:8,11	seaks 229:21	searching
183:15 184:11	28:14,18 30:3	seal 27:18,23	12:25
184:12 189:5	30:24 36:8	28:5 71:12,15	second 7:21
189:10 195:1	40:6,6,6,13,13	73:3,7 75:23	34:2,11,12,13
204:15 205:19	40:14,22 42:5	79:10,13 80:13	50:8 76:10,11
208:23 217:15	42:5 48:2	99:8 115:24,25	150:13,15
218:11,19	49:21 50:4	140:19 142:4	164:3 206:4
219:24 229:14	53:10,14 55:10	145:4,10 146:3	secondary
229:19 232:2,4	55:16,20 56:5	147:9,15	233:2,8,25
252:11,14	56:14 58:19	153:11 165:14	234:2,10,23
253:3,12 255:5	60:11 63:11,16	166:1,6,15,17	235:17,22
255:17,22	64:12 65:2,15	167:13,20	236:18 238:5
256:14 257:2	65:25 66:5,9	168:8 169:5	239:24
257:10	66:14,19,24	170:4 186:14	seconds 42:23
sbna 66:5	67:5 68:4,14	187:3,13	43:14 59:23
scaled 177:7	68:23 69:8	199:13	154:4
scanning	74:9,16 82:8	sealably 66:14	section 86:1
222:19	83:1,5 84:4	66:20 169:13	89:7 118:1
schedule	99:23 100:21	170:3 178:13	188:2 217:16
265:11	109:21 118:17	sealed 32:15,17	219:11 220:6
schedules	126:14 127:1,6	58:24 186:3,4	220:22,24
250:13	127:17,21	193:10	221:6,11
scope 69:11	128:2,9,22	sealing 28:3	233:25 237:13
71:11 83:9	129:1,7,12	67:5,10,14,24	238:9,10

[section - shows]

262:19 sectional 220:7 224:1,5 sectioned 22:16 221:5 sections 29:14 142:22 143:7 217:7,13 218:15,23 222:8 228:2 secure 27:9 secured 27:3,5 securely 43:22 see 10:5,8 16:2 22:17 29:4 32:10 46:19 47:4 54:4,15 54:15 56:7,11 61:15 62:3 76:6 79:15,18 79:19 80:7,10 80:11,19,21,24 87:13,21,24 88:4 111:4 112:5 118:19 139:11 140:1 150:1,3 151:10 152:10,25 153:4,5,7,9,22 153:23 154:11 154:15,18 155:3,24 156:2 156:5 171:21 174:1,11 175:17,25	177:1,23 183:8 183:10,14,17 183:18,23 187:6,8 195:3 198:1,20 200:7 201:9 208:22 209:7 214:24 215:3 220:6,19 220:25 224:23 225:5,6 226:9 227:21 229:12 229:18,23 234:21 239:17 240:14,25 241:4,22 242:15 243:7 246:3,14 252:24 253:4 253:18 257:25 seen 139:17 seep 115:9 select 158:12 selection 158:18 sell 246:24 sells 246:22 send 246:13 sense 86:7 89:11 122:19 167:5,16 168:20 201:20 202:11 sensitive 3:5 sent 41:7	sentence 48:7,8 56:14 76:18,23 120:3 224:4 separate 54:16 57:23 107:6 174:22 175:2 175:10 227:13 separated 176:15 separately 175:6 176:8,12 separates 76:9 serial 205:11 205:19 set 264:7,14 settled 8:19 settlement 8:14 shaft 199:11,15 shake 42:18 43:6 169:3 shape 124:16 125:7 163:7 192:14 shaped 124:20 130:15,17,21 131:10 132:6,7 135:8 136:16 136:19 192:3 share 39:14 238:14 sharp 179:10 179:13 sheet 48:2,6,10 49:9 51:4	shipped 44:3 44:10 53:5,10 53:12,20 shipping 54:2 shook 42:12,15 42:21 43:1,10 43:13,20 59:20 59:22 short 19:8 54:23 236:4 show 15:4 29:15 32:8 36:4 88:2 101:1 154:7 186:18 211:9 211:19 220:21 221:7 222:24 224:21 227:12 227:13 240:22 showed 29:5 51:3 68:19 143:25 212:10 240:13 showing 22:19 22:23 71:22 72:14 153:10 177:8 shown 180:8,13 192:15 197:14 202:22 212:8 shows 31:10,16 35:12 53:6 100:22 175:12 175:14 181:7 185:22 187:18
--	---	--	--

[shows - sounds]

215:11 228:6 side 31:8 56:8 133:18 176:18 176:18 192:18 226:6 sides 41:14 82:6,11 sidewall 57:20 sign 260:11 265:17 266:5 signature 264:20 265:22 265:24,24 266:9 signed 208:17 211:15,23 significant 13:17 silicone 222:22 222:23 similar 152:13 160:20 251:2 simple 79:14 89:13 108:22 178:18 191:17 simulate 26:6 28:20 simulated 26:25 59:9 simultaneously 170:23 171:23 single 30:4 78:7 81:4 133:24 198:12,13,13 258:13,15,19	sir 88:9 sit 15:16 sitting 239:21 size 40:14 41:22 42:1 163:7,9 sized 155:5 sizes 41:24 130:1 skepticism 237:6 skill 15:3 39:11 39:16,24 46:11 46:15 47:5 78:6 86:18 88:15 89:2 90:4,11,17 91:9 134:25 137:5,15 140:25 163:16 166:8,22 167:17 168:11 168:21 171:21 172:7,19 174:10 175:25 178:15 179:11 180:10 181:4 186:8,23 191:17 215:5 258:6,9,17,21 258:24 skilled 210:7 skills 258:14,16 258:20	sliced 219:3 slicing 222:7 slight 39:18 slightly 42:1 168:15 171:25 small 50:11,24 115:6 162:10 163:2 208:24 224:1,6 smaller 117:25 124:17 smartsite 145:3 150:14 231:4 263:12 smith 245:9,15 smoke 35:18 smoked 36:10 smooth 137:12 snap 171:1 socket 139:18 139:18,24 140:7 sold 30:3 150:20 sole 150:16 228:12 solution 48:18 58:23 156:8 158:6 178:21 209:5 solutions 1:7 3:16 4:2,18 245:21 246:7 248:1 250:2,8 260:18 265:4,8	268:1 solvent 174:21 176:4 solvents 174:5 somebody 36:10 112:25 172:10 sons 259:19 soon 133:15 sorry 10:24 39:6 45:15 89:25 99:3 109:3,23 117:12 127:10 139:16,16,18 156:23 179:18 193:7 209:14 249:14 sort 91:17 101:12,24 102:6 103:6 104:2,20 106:21 107:22 109:4 110:22 112:12 113:7 113:12 152:12 154:17 168:14 177:14 187:20 194:11 222:11 226:4 227:23 258:23 sought 143:1 sounds 161:4 164:12
---	--	--	---

[southern - start]

southern 1:2 3:18 space 227:14 spans 76:8 spctmg00218... 262:12 spctmg00219... 262:13 spctmg00221... 262:11 spctmg00973... 47:12 spctmg00973... 261:17 spctmg01293... 55:25 261:18 spctmg01551... 30:20 spctmg01551... 261:12 spctmg01925... 261:11 spctmg09 23:5 speak 9:2,6,8 17:19,22 21:15 21:17 47:7 212:24 213:3 213:17 259:12 speaking 19:24 38:13 72:10 233:20 speaks 26:17 190:25 233:18 spec 147:23 184:18 209:15	210:16 215:5 spec00092433 151:13 262:9 spec00092437 152:24 specific 192:12 193:22 specifically 203:17 221:3 230:17 237:17 241:7 specification 44:1,8 46:13 77:15 86:19 90:23 166:4,18 201:13,14 203:21,25 204:5 210:5 211:8 238:15 specifications 89:23 specified 212:17 specimen 168:25 183:12 183:22 184:8 188:1 189:8 specimens 188:11 189:7 spectrum 1:7 3:15 4:17 9:20 11:8,15 16:22 18:17 19:12 21:21 36:21 46:2,6 48:10	53:24 54:13 56:4 60:7 64:25 73:23 82:19 83:8 85:9 90:7 100:1 112:16 123:25 132:10 137:23,25 222:9 242:23 243:22 245:14 245:19,21 246:6,22 247:16,21 248:1,18,22 249:6 250:2,7 250:9,21 262:20 265:4 268:1 spectrum's 9:4 48:6 148:21 160:5 237:15 241:25 248:17 248:21 249:5 speculation 148:25 spend 8:21 38:11,16,19 251:16 spent 8:24 spike 197:3,7 spilling 51:2,12 spit 25:14,16 25:19,23 26:4 26:6,8 28:17 28:23 29:6,23	31:8 35:14 52:20 53:21,25 55:9 spitting 28:14 35:24 spoke 9:5 150:24 spoken 21:21 159:6 248:10 248:16,20,24 249:3 256:25 spool 85:9 132:11,12 140:24 spreadsheet 243:14 spreadsheets 242:22 243:19 square 146:16 153:6 squeezing 168:2 stages 30:11 stamped 261:10 standards 141:14 standpoint 144:7 star 192:1,3,14 starred 187:15 187:20,21 stars 237:17 start 58:6 127:14 229:13
--	--	---	---

[started - summary]

started 96:25 255:22 starting 170:7 state 1:21 4:7,9 6:25 8:7 27:21 112:14,15 119:23 226:17 264:4 265:10 265:13 stated 156:17 statement 74:1 241:10 statements 238:4 states 1:1 3:18 44:2,9 215:24 stationary 92:18 94:2,15 94:19,25 95:7 stay 110:5 153:13 stays 74:15 92:13 93:3 steady 92:24 93:1,15,19,22 stem 69:19 70:22 71:4,6 71:13,24 72:16 73:5,10,15 74:15,24 75:1 75:2,7,11,17 81:15,18,23 82:11 85:19 92:14 93:3,10 95:5,9,18,22	98:20,25 99:5 99:9,12,17 100:3,5,9,10,14 100:22 101:2 103:19 104:6 104:14 105:2,3 105:5,14,17,20 105:23 106:1,3 106:4,8 108:11 108:14,20,24 109:1,8,18,23 109:24,25 110:4,11,14,15 110:16,21 111:14 112:16 113:15,16,21 113:21,25 114:8,15 115:22 116:1 116:13 118:12 121:23 122:6,7 123:8,13,18,22 125:1,5 132:16 132:23 133:1 133:22,23 134:3 136:9,10 138:5 238:15 step 35:16 56:9 154:25 155:21 172:6,16,16 stephen 151:17 151:20 152:4 steps 220:3 sterile 175:2,10	sterilized 89:17 steve 4:21 30:1 steven 2:22 sticker 34:14 34:22 stipulate 134:11 stipulated 260:15 stipulation 265:21 stop 34:23 61:2 75:11 207:12 stopcock 140:24 stopped 143:16 254:6 stopping 91:24 storage 175:3 175:10 store 129:3,8 175:5 store.seak.com 229:20 stored 226:22 226:23 storing 176:8 176:12 straight 93:13 street 1:18 2:14 3:22 strength 147:19 148:3 strictly 114:25	strike 211:11 strip 183:16,20 structure 40:7 193:22 194:13 198:15 204:17 structures 40:11 stryker 253:8 stuff 13:1 226:25 subject 12:8 submitted 24:4 86:10,12 submitting 153:16 subsequent 188:14 189:12 substance 175:15 176:5 249:19 substances 175:3,11 success 236:3 236:24 successful 85:13 229:14 229:20 263:7 suggest 211:25 suit 39:17 suite 2:5 suits 166:24 summary 9:24 10:2,6,10,13 151:7
---	---	--	--

[supplied - temperature]

supplied 54:6	246:17,18	talk 12:11	tampering
support 90:14	swear 4:23	20:22 97:22	184:2
90:23 91:1,9	sworn 5:3	98:1 111:20	task 143:24
91:13 143:21	264:7	134:23 142:6	taught 196:14
195:10,20	symbol 35:17	149:12 165:4	teach 170:2,22
203:21 206:22	35:22	173:3 187:22	188:22 190:18
207:5 213:13	synonyms	191:1 212:20	teaches 45:18
232:19 238:5	165:20	214:7 245:4	46:7 171:17
241:2 242:20	syringes 158:5	259:15,20,23	174:20 183:19
244:22 245:1	system 111:12	259:25	186:2 188:10
supporting	t	talked 20:14,19	188:16 189:22
89:24 242:9	t 126:1 261:7	73:3 134:13	190:10
supports	262:1 263:1	207:20	teaching
144:12 210:16	268:4,4	talking 18:4	184:21 197:5
237:21	take 3:9 16:24	89:16 92:12	teachings 15:2
sure 25:8 37:11	23:13 54:5,22	93:8 95:17	89:20 158:24
40:15,19 41:24	58:12 61:5,7	112:8 121:11	177:1
44:19 72:21	85:18 86:4	124:8 145:8	team 39:25
95:21 100:7	88:23 91:2,23	161:1 162:4	258:23
104:20 135:12	125:12 134:12	172:24 176:11	tech 23:14
140:2,8 148:16	154:6 166:11	193:9 209:25	technical 19:25
150:2 152:19	176:23 202:25	215:18 237:1	19:25 207:23
154:8 156:10	216:14 220:15	talks 85:24	210:1 215:17
159:17 161:16	222:14 223:3	89:9 111:25	teeth 183:19
162:7 172:8	235:5,25 236:5	123:23 143:6	184:12,17,17
187:7 226:14	236:8 254:18	150:25 166:3	telephones 3:7
227:1 247:12	259:2	166:18,19	tell 10:12 15:17
247:22,24	taken 1:16 3:13	172:18 175:6,7	22:3,5 38:21
249:11 250:13	23:18 55:4	175:23 188:5	41:6 44:24
253:19	92:2 181:22	190:7 193:8,21	50:1 79:20
surfaces 139:22	214:18 216:18	201:14 209:15	242:8
surprise 53:13	235:1 236:12	215:6 238:13	telling 23:10
surprised	259:7	tamper 183:13	tells 78:5 79:8
224:12 243:3	takes 146:17	183:16 184:7	temperature
244:25 246:5		184:15,16,19	45:20 46:9,19

[term - think]

term 135:11 167:9 168:12 193:21 194:12 195:5,13,16 201:25 204:15 terminology 43:4 88:19 terms 12:21 46:12,12,17,21 46:22,24 47:1 47:3,4 86:13 86:17,24 117:22 126:12 127:3 135:15 136:9 157:9 165:4 191:11 201:11 207:1 212:10 223:7,8 237:5 241:2 test 55:14 140:15 146:18 154:7 186:4 188:3,12 189:11 tested 85:1 140:12,22 146:19 testified 5:3 21:7 63:2 114:17 134:2 151:20 152:5 224:16,20 250:19 testify 5:25 16:10 213:8	242:11 testifying 46:1 81:14 116:17 testimony 7:3 21:4 81:6 98:2 116:5 123:16 138:2,20 140:11 161:10 180:19 253:1 259:21 260:14 264:6,9 testing 45:19 46:8 184:10 188:14 189:13 tests 22:7,10 148:3,5 text 31:7 33:20 textile 151:3 thank 23:9 35:3 38:15 70:18 91:21 97:3 118:6 127:6 157:23 164:20 173:5 181:15 232:15 259:1 260:3,8 therapist 7:18 7:19 8:10 thereof 111:24 theses 226:4 thesis 158:11 225:20,24 226:12,20 231:7	thin 115:8 198:9 thing 8:19 89:15 118:13 144:12 177:13 178:25 207:3 226:5 things 20:1 38:9 101:7 147:22 148:9 179:13 223:24 224:25 237:25 252:9 258:1 think 7:23 10:14,17 11:21 13:7,22 14:1 14:16 18:18 20:18,20 25:13 26:17 28:1 30:10 32:19 38:7 39:18 40:24 41:8,14 41:25 42:6 47:3,7 49:15 50:23 51:23 52:14 53:24 54:8,12 60:17 60:17 64:18 67:16 70:17 72:7 82:6,10 82:19 84:6 85:14,15,21,22 88:6,25 89:14 93:6 101:10,21 103:14 109:20	111:4,20 118:3 120:20 123:5 125:6,16 127:12 129:18 131:24 134:2 134:10,13 135:3 136:18 147:12 148:6 148:21 149:1 149:11 150:22 151:8 153:21 156:17 157:18 158:21 159:8 159:18 161:15 163:6,14 164:18 165:21 165:23 166:3 167:9 168:4,10 168:12,22 171:8 178:24 179:7 182:9 190:25 194:9 196:10 197:20 198:2,7,11 200:4 201:1,21 202:10 203:19 204:4,7,8,16,18 205:25 206:25 209:23 210:18 210:22 211:1 213:14,15,25 214:18 215:15 216:3 222:25 223:5 224:16 225:9,12 227:2
---	---	---	--

[think - top]

230:18 233:1 234:5 235:1,3 237:21 238:6 241:14 242:25 244:2,3,7,8 245:7,10 246:11 247:11 247:22 250:11 251:5,10,11 252:8 253:1,2 253:16 254:8 254:10,12,17 255:9,10,14 256:15,17 257:21,23 258:21,23 259:2 thinking 64:3 140:9,9 253:8 third 108:5 253:9 thorn 226:6 thorough 89:15 thoroughly 204:4 thought 20:21 50:10 53:25 78:9 172:21 195:3 213:19 234:4 thread 67:10 67:23 129:25 147:22 228:5 threaded 119:12 136:22	137:2,7,7 142:21 144:13 147:19 148:22 151:21 152:7 158:25 threadlock 147:19 148:3,7 threads 115:25 128:3,5,13,15 128:19 129:20 129:21 136:17 136:20 137:24 138:1,4,12,24 139:2,4,7,19,23 141:12 142:5 143:2,19,22 147:25 148:7 148:12,19 153:6 154:2 189:24 three 6:15 41:1 41:9,10 56:9 126:6 166:21 181:21 193:2 236:2 thrown 30:6,9 30:11 thursday 1:22 tight 122:12 124:13 136:22 137:3,8 138:15 138:22,23,24 139:20,22 142:8 153:11 154:1	tightening 209:3 tightly 167:25 time 3:7 4:8 8:21,24 17:2 20:18 23:25 38:11,15,17,19 38:22 39:1 50:8 82:22 125:17 143:15 150:4,23 176:14 179:25 226:15 237:7 250:17 251:18 252:4 253:25 254:3,5,14,17 255:20 260:4 260:22 265:11 265:19,25 266:7 times 5:11 51:19 58:11 139:21 224:17 224:19 229:3 241:15 today 5:25 37:4 46:1 47:16 58:22 59:3 97:18 137:1 141:7 155:15 165:6 212:14 217:8,23 218:8 218:15,23 235:11 239:21 252:22	today's 8:22 9:12,18 10:22 11:2 260:14 todd 1:19 4:1 264:3,21 together 38:1 43:13 71:7 75:11,17,23 95:20 102:15 103:25 122:4 123:7 told 38:8 39:7 151:4 207:24 241:25 tolerancing 144:8 took 22:12 26:22 27:2 99:24 118:23 tools 87:5 88:13,15 90:1 90:6,7,12,15,16 top 55:16,20,21 69:4,18 70:21 70:24 71:1,3,4 74:18,22,23 83:19 93:12,14 124:14,22 125:3,6 128:3 128:6 154:19 156:3 166:25 167:3,3,9,10 168:9,9,15,18 187:16,22 218:11 255:8
---	--	--	---

[topic - two]

topic 91:24	50:11 51:1	104:15,24	208:23 239:10
topics 125:14	52:15 54:9	105:4,23,25	tubes 239:11
160:20 165:4	85:18 118:1	106:3,7,7,11,14	tubing 142:22
tops 82:3	148:11,14	106:17,18	turn 34:21 48:5
total 162:10,17	257:13	107:4,6,15,19	69:23 71:19
163:2 260:16	trying 13:22	107:25 108:10	92:24 93:2,15
touching 55:12	25:18,23 31:20	108:16,18,23	93:17,21 94:4
toward 72:19	35:7 113:2,7	108:25 109:6	94:9,20 98:4
transcript	145:18 167:6	109:17,24	108:12 118:15
47:16 260:12	233:2 239:9	110:17,20	140:18 152:23
264:8 265:7,9	252:4	111:14,16,23	153:8,12
265:11,14,14	tube 24:7,13,15	112:18 113:14	154:10,22
265:22 266:2,2	24:19,21,25	113:14,16,18	156:1 169:9
transcripts	25:3 26:23	113:20 114:3,8	170:6 173:6
149:4,10	27:13,18,23	114:12 115:13	180:2 182:23
transition	28:9 31:4,12	115:18,21,21	198:10 199:11
187:9 257:5	31:12,15,16,19	115:23 116:7	200:6 208:21
transpired 20:8	31:20 32:21	116:11,14,17	225:12,15
transport	35:7,7,11,13,15	117:2,7,11,15	255:13
45:11	35:24 49:21	118:9,14,18,22	turned 68:22
transportation	50:4,18,25	119:1,3,5,17	turning 84:13
46:19,23	51:11 52:6,20	120:7 121:24	95:1 103:3,4
transporting	53:21 55:16,20	123:9 124:2,23	140:20 189:24
45:4	59:6 68:23	124:23 127:17	turns 103:5,6
trial 225:8	71:8,9 74:16	127:21 128:2,3	189:24,25
tried 50:14	92:18,19,24	128:7,9,10,14	twisted 27:6,9
226:14	93:2,10,15,18	128:20 129:21	27:17 185:22
tries 105:10	93:21 94:3,4	130:4 131:18	twisting 27:13
trouble 74:5	94:14,20,21	133:10,11,14	27:22 28:9
90:19	95:1,6,8,12,15	133:16,17	156:7
true 109:22	95:15 99:10,13	138:7,22 153:2	two 6:19 7:15
264:8 267:3	100:6,9,11,14	154:12,17	7:23 17:18
truthfully 5:25	100:19,23	155:1,5,25	34:4 39:25
try 26:8 28:14	101:3,5 102:12	163:7 203:12	55:7 69:4
31:12 43:6	103:20 104:7	203:14,18	70:24 75:22

[two - use]

82:22 99:16	188:6	90:17,24,25	understood
101:12,25	typical 144:18	91:2,10 95:21	44:23 65:7
102:2,8,18	typos 252:9	100:7 108:4	134:24 135:1
103:3,4 104:3	254:9	110:3 113:5	225:11 226:7
104:10,22	u	118:4 132:18	undue 139:12
107:9,10,18	u.s. 142:11	135:7 136:3	144:10
110:23 114:2	161:22 178:6	137:6,16 141:1	unfortunately
118:12 119:14	205:10 212:5	142:20,25	78:9
121:3 122:1,4	261:19 262:6,7	152:19 158:17	unit 3:11 55:3,7
123:8 125:21	262:16	166:9,23	125:21 126:6
135:13 143:22	uh 164:4	167:17 168:11	181:20,25
151:1 153:1	uncontaminat...	172:20 176:6	259:6,10
172:16 173:23	188:13 189:12	177:6 178:17	united 1:1 3:17
174:5,17 175:3	under 15:9	183:24 193:14	units 260:17
175:11,13	29:14 46:21,25	194:18 195:12	university 30:1
176:17,19	47:18 56:7	195:23 224:9	226:18
179:1 198:14	65:5,19 91:18	225:2 226:3	unknown
203:9,16	102:24 120:9	232:17 234:8	197:10
213:12 237:20	174:20 193:19	247:17 248:13	unquote 49:11
240:24 249:10	225:4 230:6	understanding	unrelated
251:5,18	236:23 257:6	15:12 30:5	238:4
258:13,20	267:1,2	46:16,20,24	update 252:23
type 56:17,25	undercut 115:6	47:4,6 64:21	updated 253:5
57:14 85:9	understand 5:8	64:24 65:5,12	updating
102:22 107:17	5:16,20 14:20	65:20 74:6	254:11
107:22,23	28:4 39:8	86:13,16,17,24	upwards
109:15 115:3	44:13,15,20,22	90:19 102:24	150:20
132:11 139:19	44:24,25 45:1	107:12 113:6	use 14:1 22:15
139:24 140:24	45:13,22,25	114:23 134:15	22:20,23 25:10
143:18 158:4	51:9 53:9	135:4 191:16	26:2 30:4,24
194:2,5 199:17	56:13 62:14	194:9 205:24	31:24,24 33:9
233:19 249:23	72:23 78:20	211:5 232:22	33:13,17,24
types 15:5	80:3 81:2 86:4	234:13 241:18	34:3,11 35:23
120:11,13	88:16,18,19	247:7,19	36:3,17 37:9
121:5,8,13	89:3 90:5,12		42:24 43:15

[use - various]

49:15 50:1,14	255:20 260:17	70:21 71:4,6	125:1,5 130:7
52:20,23,24	user 25:25	71:13,24 72:16	130:10,12,15
53:2,3 77:18	29:12 31:3	73:5,10,14	130:17,21,23
77:21 78:15,18	35:13 36:5	74:15,23 75:1	130:25 131:1,7
78:23 79:6	49:23 50:1,6	75:2,5,7,10,17	131:20 132:6,6
80:1 89:3 90:1	50:20 51:1	81:15,18,23	132:8,11,15,23
90:6,6 134:7	53:8 54:4	82:10 85:9,19	133:1,22,23
135:14 137:14	127:23 135:2	92:14 93:3,10	134:3,21,22
147:24 156:7	137:16 162:12	95:5,9,18,22,23	135:8,8 136:9
166:15 167:21	162:19 163:4	96:2,2,5,8,9	136:10,16,19
167:24,25	users 53:10,20	98:20,25 99:5	138:1,5,7
169:2 181:11	uses 40:17 78:5	99:9,12,17	139:2,3,7,10,19
191:12 218:2,5	79:7 135:19	100:3,5,8,10,13	139:25,25
218:7 221:3	165:23 190:6	100:22 101:2	140:1,7,18,21
227:11 228:1	using 15:11	103:19 104:6	140:24,24
238:4 239:12	22:22 43:3	104:14 105:1,3	141:10,12
245:25 246:3	179:23 180:19	105:4,14,17,20	143:18 144:13
253:20 261:14	188:5 227:18	105:23,25	145:2,3,6,12,14
262:22	usually 195:4	106:2,4,8	145:16,21
used 22:15	241:12	108:11,14,20	147:5,9,17,25
25:12 28:19	utah 1:8 3:16	108:24 109:1,3	148:4,12
50:16 51:6	utmost 189:6	109:8,18,23,24	150:15,20,24
53:14 81:3	v	109:25 110:4,7	151:22 152:7
85:16,23	vacation 38:7	110:11,14,15	152:13 153:10
134:14 147:14	38:10	110:16,21	154:1 159:1
156:18 157:7	vague 42:14,20	111:14 112:7,9	197:23 198:4,6
157:10,11,22	66:11 101:9	112:10,14,16	198:9,14,16
158:11 166:16	110:2 134:9	113:15,16,21	199:5,10,17,20
167:10,10	137:4 159:16	113:21,25	227:14,25
168:13 174:23	164:17 179:6	114:8,14 115:2	231:5 263:13
179:18,22	197:25	115:3,22 116:1	valves 140:3
180:22 199:18	validity 232:19	116:10,13	142:2 143:17
213:19 220:3	valve 7:5 27:10	118:12 121:23	251:1
222:18 227:3	27:14,18,23	122:6,7 123:8	various 77:14
239:13 246:1	28:10 69:9,19	123:13,18,21	

[vent - weeks]

vent 75:8 82:13	videos 9:21	65:16,23 66:6	200:11
vents 136:13	155:17	66:25 119:14	wavy 31:4
verbal 5:17	videotaped	163:12	way 33:22
veritext 4:2	1:15	want 20:8,9	39:20 41:19
260:18 265:8	view 86:18	29:6 36:16,17	50:15 51:6
265:10,12	149:13 182:3,4	42:25 43:5	53:4 64:8 65:6
version 34:5,7	186:24	48:23 49:17	71:3 76:16
34:17 70:16	viewed 124:14	64:20 67:18	81:12 88:19
72:3 97:16	124:22 125:3	87:9,16 89:18	89:2 90:14
versus 3:15	viewpoint 94:1	116:23 134:11	92:25 93:6
6:22 253:9	94:4	146:2 148:9	101:5 105:10
vessel 63:13,17	vigorously	149:12 161:16	111:16 122:23
64:7,9,14,20,22	59:20	162:7 166:5,7	124:9 130:9
65:1,4,8 127:2	vincent 159:2	166:11 184:20	136:14 139:10
127:17 129:15	162:4	188:8 214:3	166:21 183:21
162:17 163:13	visit 232:3	215:23 216:3	187:21 197:16
175:2,10	visiting 259:18	230:16	197:21 201:11
vial 158:5	vital 188:12	wanted 38:9	202:17 206:20
video 3:8,12	189:10 190:11	87:13 160:18	207:3,4 209:13
22:19,21,24	volume 67:1	161:9 171:22	222:21 225:2
23:5,23 24:1,3	162:10,17	174:16 178:17	233:24 246:12
24:6 25:21	163:2,18	wants 209:17	248:14 264:12
26:17 29:5	166:12 227:13	warning 35:22	ways 101:6,17
58:21 59:2	vs 265:4 268:1	washer 103:18	195:25 196:7
155:15 261:10	vu 21:15	104:5,13	we've 137:22
videographer	w	121:23 122:5	158:21
2:23 3:1,25	wait 5:21	122:10 123:3	wearing 155:7
4:22 23:16,19	waived 12:3	142:4 199:12	155:10
55:1,5 91:25	265:24,24	199:17,23	web 229:19
92:9 125:19	waiving 265:21	waste 254:14	website 226:25
126:4 181:19	wall 57:21	watching 222:1	websites 227:2
181:23 216:16	133:18 185:13	water 25:12,20	week 251:15,21
217:4 236:10	187:7,8 198:13	26:5 28:20	251:22
236:13 259:4,8	walls 63:12,17	58:22 59:5,7	weeks 9:1
260:13	64:6,13 65:1,3	199:14,16	251:23,23,24

[welcome - worked]

welcome 232:16 260:7	wesley 38:24 138:16 139:9	witness 4:24 5:2 6:4,7,10,18	113:1,5 132:20
welder 256:16	wesley's 29:17	6:21 7:4,8	134:7,12,15
went 38:23	west 1:18 3:22	34:25 39:6	165:23 166:16
58:23 59:10	whatsoever	58:2 61:24	177:23 179:22
60:4 232:12	89:24	63:10 70:10	184:6 194:23
wereley 2:22	whereof 264:14	91:19 118:6	195:3 201:9,24
4:21 30:1 39:5	whispering 3:5	139:15 157:14	213:19,21
39:6,9 65:12	white 70:8 72:4	161:5,5,9	214:17,19
68:19 69:4,12	97:19 154:13	170:12 173:11	221:4
69:18 70:21	williams 182:4	190:24 223:2	wording 49:15
77:11 78:8	wish 252:23	223:17 227:7	words 31:14,18
81:11 82:1,15	withdraw	228:25 229:2,6	35:4,9 52:13
83:22 84:20	74:13 84:11	229:15,21	72:19 73:18
85:14 112:25	132:3 133:21	235:3,23 236:7	77:21 78:5,16
113:3 139:14	134:5 182:13	242:4 243:11	78:18,24 79:7
139:15 141:8	183:9 196:21	245:20 251:13	79:15,19,24
141:16 147:13	withdrawing	252:1 255:6	80:2,7,11,17,19
148:16 153:21	63:23	260:7,10 261:3	80:24 81:1
224:12,16	withdrawn	263:5,8 264:6	107:2 126:23
225:6 234:4	26:20 48:15	264:9,14	137:14 213:15
235:19 236:2	77:16 84:25	265:14,17	wore 155:14
236:24 242:16	92:25 105:13	266:2,5	work 11:8,15
242:25 243:7	127:8 132:22	witnessing	11:19 29:2
258:22 263:15	133:19 135:21	228:10,20	78:11 124:12
wereley's 9:14	136:2 144:17	229:16,22	136:20 143:19
39:14 68:7	162:14 163:9	263:10	159:1 168:6
69:21 70:1	174:18 203:1,1	wo 182:16	169:3 195:21
71:22 72:13	213:6 216:12	262:15	196:14 200:14
83:12 234:8	219:14 220:10	word 13:23	204:20 222:20
235:10 236:20	249:14 252:19	20:2,2,7,7 48:8	231:7 250:3
236:22 238:11	253:20	52:24 78:5	251:16 252:1
239:4,23	withhold	79:6,18 80:2	254:16
240:11 241:18	230:16	80:10,21 81:3	worked 8:19
		86:1 102:25	140:17 141:2
			150:5 151:3

[worked - zovko]

251:3 255:17 257:1 working 73:24 141:23 143:16 151:1 201:25 250:4,14,15,16 251:20 253:15 works 134:22 153:10 207:1 world 150:8,10 worldwide 150:22 wrap 259:3 write 86:25 158:11 228:16 234:14 257:11 writes 234:14 writing 160:25 234:17 235:19 written 89:8 90:13,14,22,25 91:5,8,12 158:7 192:22 193:3,18 194:19 195:9 195:20 202:5 202:13,21 203:4 204:22 205:6 206:14 206:21,22 207:2,4,5,18,22 208:1 209:9,22 209:24 210:4 211:4,6 215:21 222:10 228:24	231:7 254:10 256:25 wrong 141:10 141:17 154:9 wrote 38:25 89:7 90:21 157:17 161:7 210:3 223:16 223:20 230:21 234:23 x x 1:3,11,12 261:1,7 262:1 263:1 xx 266:1 y yeah 28:1 44:19 48:21 63:25 67:19 74:13 83:4 90:21 106:7 118:23 127:3 136:3 163:14 168:20 172:5 175:5 180:1 183:1 193:18 234:5 235:3 236:5 245:10 249:23 252:17 254:24 257:4 year 150:21,23 244:1,2,3 251:25 254:7	years 141:24 146:11 151:1 222:13 244:4 254:4,6 yellow 227:13 york 1:19,19,21 3:22,23 264:4 z z 228:9,19 229:15,21 263:9 zovko 2:18 4:16 4:16 11:18,25 12:4 13:21 14:7,15 15:15 15:25 16:20 18:14 20:16 21:2 24:22 27:20,25 28:24 29:13 30:8 31:22 32:10 33:15,21,25 34:23 35:3 37:2,15 38:4 39:4 40:9 42:14,20 43:2 43:11 44:12 45:6,21 46:10 47:15 48:3,20 49:6,12 50:21 51:21 52:25 53:23 54:11,21 56:19 57:1,9 57:16 58:1,8 60:24 61:24	
--	---	--	--

Federal Rules of Civil Procedure

Rule 30

(e) Review By the Witness; Changes.

(1) Review; Statement of Changes. On request by the deponent or a party before the deposition is completed, the deponent must be allowed 30 days after being notified by the officer that the transcript or recording is available in which:

(A) to review the transcript or recording; and

(B) if there are changes in form or substance, to sign a statement listing the changes and the reasons for making them.

(2) Changes Indicated in the Officer's Certificate. The officer must note in the certificate prescribed by Rule 30(f)(1) whether a review was requested and, if so, must attach any changes the deponent makes during the 30-day period.

DISCLAIMER: THE FOREGOING FEDERAL PROCEDURE RULES ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE ABOVE RULES ARE CURRENT AS OF APRIL 1, 2019. PLEASE REFER TO THE APPLICABLE FEDERAL RULES OF CIVIL PROCEDURE FOR UP-TO-DATE INFORMATION.

VERITEXT LEGAL SOLUTIONS
COMPANY CERTIFICATE AND DISCLOSURE STATEMENT

Veritext Legal Solutions represents that the foregoing transcript is a true, correct and complete transcript of the colloquies, questions and answers as submitted by the court reporter. Veritext Legal Solutions further represents that the attached exhibits, if any, are true, correct and complete documents as submitted by the court reporter and/or attorneys in relation to this deposition and that the documents were processed in accordance with our litigation support and production standards.

Veritext Legal Solutions is committed to maintaining the confidentiality of client and witness information, in accordance with the regulations promulgated under the Health Insurance Portability and Accountability Act (HIPAA), as amended with respect to protected health information and the Gramm-Leach-Bliley Act, as amended, with respect to Personally Identifiable Information (PII). Physical transcripts and exhibits are managed under strict facility and personnel access controls. Electronic files of documents are stored in encrypted form and are transmitted in an encrypted fashion to authenticated parties who are permitted to access the material. Our data is hosted in a Tier 4 SSAE 16 certified facility.

Veritext Legal Solutions complies with all federal and State regulations with respect to the provision of court reporting services, and maintains its neutrality and independence regardless of relationship or the financial outcome of any litigation. Veritext requires adherence to the foregoing professional and ethical standards from all of its subcontractors in their independent contractor agreements.

Inquiries about Veritext Legal Solutions' confidentiality and security policies and practices should be directed to Veritext's Client Services Associates indicated on the cover of this document or at www.veritext.com.