

THE UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

GATOR BIO, INC.,

Petitioner,

v.

SARTORIUS BIOANALYTICAL INSTRUMENTS, INC.,

Patent Owner.

IPR2025-00633

U.S. Patent No. 8,647,588

PETITIONER'S UPDATED EXHIBIT LIST

Pursuant to 37 C.F.R. § 42.63(e), Petitioner Gator Bio, Inc. files herewith new Exhibit 1060 and the following Updated List of Exhibits.

EXHIBIT LIST

Exhibit	Description
1001	U.S. Patent No. 8,647,588 (“588 patent”)
1002	Declaration of Dr. Laird Forrest
1003	Curriculum Vitae of Laird Forrest, Ph.D.
1004	Certified File History of U.S. Patent No. 8,647,588 (“588 FH”) (copies of prior art references omitted)
1005	U.S. Patent No. 4,087,248 (“Miles”)
1006	Yuxiao Yang et al., <i>Direct monitoring of antigen-antibody interactions by optical fiber bioprobe</i> , PROCEEDINGS OF SPIE, THIRD INT’L CONFERENCE ON PHOTONICS AND IMAGING IN BIOLOGY AND MEDICINE, 5254:431-436 (2003), copy obtained from British Library (“Yang”)
1007	U.S. Patent No. 4,676,377 (“Rainin”)
1008	PCT Publication No. WO 2005/047854 A2 (“WO854”)
1009	U.S. Patent No. 5,804,453 (“Chen”), which is incorporated by reference into WO854
1010	Yan Sun et al., <i>Fiber Optic Direct-Sensing Biosensor Applied in Detecting Biolayer Thickness of Nanometer Grade</i> , ACTA PHOTONICA SINICA, 31(6):657-661 (June 2002), copy obtained from British Library
1011	Certified English Translation of EX1010, Yan Sun et al., <i>Fiber Optic Direct- Sensing Biosensor Applied in Detecting Biolayer Thickness of Nanometer Grade</i> , ACTA PHOTONICA SINICA, 31(6):657-661 (June 2002) (“Sun”)
1012	Excerpted Transcript of May 25, 2023 Deposition of Michael Sailor, ITC Inv. No. 337-TA-1344 (“Sailor”)

Exhibit	Description
1013	U.S. Patent No. 5,827,745 (“Astle”)
1014	U.S. Patent No. 5,475,610 (“Atwood”)
1015	U.S. Patent No. 3,356,462 (“Cooke”)
1016	U.S. Patent No. 5,674,047 (“Lapeus”)
1017	U.S. Patent No. 6,019,225 (“Kalmakis”)
1018	Fang Yu et al., <i>Reflectometry Interference Spectroscopy in Detection of Hepatitis B Surface Antigen</i> , CLINICAL CHEMISTRY, 46(9):1489-1490 (September 2000) (“Yu”), copy obtained from U.S. Library of Congress
1019	Weiping Qian et al., <i>Immobilization of Antibodies on Ultraflat Polystyrene Surfaces</i> , CLINICAL CHEMISTRY, 46(9):1456-1463 (2000) (“Qian”)
1020	Rudolf Lequin, <i>Enzyme Immunoassay (EIA)/Enzyme-Linked Immunosorbent Assay (ELISA)</i> , CLINICAL CHEMISTRY, 51(12):2415-2418 (2005) (“Lequin”)
1021	Corning, <i>ELISA Technical Bulletins - Nos. 1 & 2</i> (July 2001), available at https://www.labcluster.com/news4_2/Corning_elisa1_2.pdf (“Corning”)
1022	U.S. Patent No. 5,799,792 (“Abrums”)
1023	U.S. Patent No. 4,848,579 (“Barnes”)
1024	U.S. Patent Appl. Publ. No. 2006/0186014 A1 (“Ramanujam”)
1025	U.S. Patent No. 4,027,778 (“Tupper”)
1026	Joseba Zubia et al., <i>Plastic Optical Fibers: An Introduction to Their Technological Processes and Applications</i> , Optical Fiber Technology, 7:101-140 (2001) (“Zubia”)
1027	Excerpt of Patent Owner’s Preliminary Sur-Reply (Paper 18), dated April 25, 2023, in IPR2023-00215 (“PO Surreply”)

Exhibit	Description
1028	Excerpt of Patent Owner’s Prehearing Brief, in <i>Certain Bio-Layer Interferometers and Components Thereof</i> , ITC Inv. No. 337-TA-1344 (“PHB”)
1029	Excerpt of Final Initial Determination, in <i>Certain Bio-Layer Interferometers and Components Thereof</i> , ITC Inv. No. 337-TA-1344 (“FID”)
1030	Declaration of Hong Tan
1031	Declaration of Seema Rampersad regarding Yang (EX1006)
1032	Certificate of Copyright Registration regarding Yang (EX1006)
1033	Declaration of Seema Rampersad regarding Sun (EX1010)
1034	Certificate of Copyright Registration regarding Yu (EX1018)
1035	U.S. Patent No. 6,838,051 (“Marquiss”)
1036	Roy Manns, <i>History of Microplates</i> , Plastics Historical Society, available at https://plastiquarian.com/?page_id=14361 (“Manns”)
1037	U.S. Patent Appl. Publ. No. 2004/0171087 A1 (“Rech-Weichselbraun”)
1038	U.S. Patent No. 5,759,774 (“Hackett”)
1039	Gilson, Inc., <i>Manual Liquid Handling Catalog</i> (2004), available at https://web.archive.org/web/20040523093106/http://www.gilson.com:80/Products/prodPDF.asp?pID=106&pdftid=BRO (archived May23, 2005) (“Gilson”)
1040	Thomas Astle, <i>Recollections of Early Microplate Automation</i> , J. ASSOC. FOR LABORATORY AUTOMATION, 5:30-31 (2000) (“Astle-2000”)
1041	American National Standards Institute (ANSI) & Society for Laboratory Automation and Screening (SLAS), <i>for Microplates – Well Positions</i> , ANSI SLAS 4-2004 (R2012) (“ANSI/SLAS”).
1042	Peter B. Lippa et al., <i>Immunosensors- principles and applications to clinical chemistry</i> , CLINICA CHIMICA ACTA, 314:1-26 (2001) (“Lippa”)

Exhibit	Description
1043	Jay L. Bock, <i>The New Era of Automated Immunoassay</i> , AM. J. CLIN. PATHOL., 113:628-646 (2000) (“Bock”)
1044	B.H. Schneider et al., <i>Highly sensitive optical chip immunoassays in human serum</i> , BIOSENSORS & BIOELECTRONICS, 15:13-22 (2000) (“Schneider”)
1045	U.S. Patent No. 4,511,534 (“Bennett”)
1046	Andreas Brecht & Günter Gauglitz, <i>Recent developments in optical transducers for chemical or biochemical applications</i> , SENSORS AND ACTUATORS B, 38-39:1-7 (1997) (“Brecht”)
1047	Oliver Birkert & Günter Gauglitz, <i>Development of an assay for label-free high-throughput screening of thrombin inhibitors by use of reflectometric interference spectroscopy</i> , ANAL. BIOANAL. CHEM., 372:141-147 (2001) (“Birkert”)
1048	Fisher Scientific, Inc. <i>Fisher Catalog 2004/05</i> (2004) (“Fisher”)
1049	Bio-Tek Instruments, Inc., <i>Precision™ Microplate Pipetting System, Liquid Handling - Automated Microplate Pipetting Systems</i> , available at https://web.archive.org/web/20050405215350/http://www.biotek.com/products/product_print.php?pid=119 (archived April 5, 2005) (“Biotech Precision Webpage”)
1050	Excerpt of Bio-Tek Instruments, Inc., Precision Microplate Pipetting System, Operator’s Manual, Rev. D1 (Jan. 2005), available at https://assets.fishersci.com/TFS-Assets/CCG/EU/Biotek-Instruments/manuals/BTK011_EN%20Precision_Op_Man_Rev_D1.pdf (“Bio-Tek Precision Manual”)
1051	Seahorse Bioscience, <i>How Does XF Technology Work?</i> , available at https://web.archive.org/web/20041212090403/http://www.seahorsebioscience.com/xf_work.html (archived Dec. 12, 2004) (“Seahorse”)
1052	U.S. Patent Appl. Publ. No. 2005/0054028 A1 (“Teich”)
1053	Thomas R. Clem et al., <i>Practical Colorimeter for Direct Measurement of Microplates in Enzyme Immunoassay Systems</i> , J. CLIN. MICROBIOL. 7(1):55-58 (1978) (“Clem”)

Exhibit	Description
1054	Günther Viehhauser, <i>Simple Procedure for Large-Scale Assays for Chick Interferon</i> , APPLIED & ENVIRON. MICROBIOL., 33(3):740-743 (1977) (“Viehhauser”)
1055	Brian Law et al., <i>Chapter 7: Enzyme-Linked immunosorbent assay (ELISA) development and optimization</i> , in IMMUNOASSAY, A PRACTICAL GUIDE (1996) (“Law”)
1056	Bartels Legionella Urinary Antigen ELISA Test, 501(k) Premarket Notification (March 30, 1999), available at: https://www.accessdata.fda.gov/cdrh_docs/pdf/K991074.pdf (“Bartels”)
1057	Fiber Optics Association Reference Guide, <i>Connector Identifier</i> , available at https://www.thefoa.org/tech/connID.htm (“FOA Reference Guide”)
1058	MetroTek, <i>Bare Fiber Adapters & Kits</i> , available at https://web.archive.org/web/20010411055716/http://metrotek.com:80/mtekbfa.htm (archived April 11, 2001) (“MetroTek Website”)
1059	Metrotek, MetroTek Catalog, Issue No. 8 (2004) (“MetroTek Catalog”)
1060	Defendants’ Notice and Stipulation re: Challenged Claims in IPR2025-00633, No. 5:22-cv-01417-EJD (N.D. Cal. Apr. 24, 2025), ECF No. 79

Date: April 25, 2025

Respectfully submitted,

/ Hari Santhanam /

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CERTIFICATE OF SERVICE

I hereby certify that on April 25, 2025 true and correct copies of the foregoing
PATENT OWNER'S UPDATED EXHIBIT LIST and Exhibit 1060 was served via
electronic mail upon the following counsel of record for Patent Owner:

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