



CytoFLEX mosaic Spectral Detection Module

The CytoFLEX mosaic spectral detection module represents the next step in the evolution of our [CytoFLEX platform](#). It provides [spectral flow cytometry capabilities](#) for our [CytoFLEX S*](#) and [LX](#) instruments. With this module, you can mix and match different detection methods in one instrument, increasing capacity without the need to invest in a new independent instrument.

We understand that resources and sustainability are critical considerations. That's why we've introduced spectral technology as a modular detection concept, allowing you to enhance your capabilities while future-proofing your existing instruments.

[Explore CytoFLEX mosaic Models](#) 

RESOURCES + TOOLS

[Request Quote](#)[Launch Details](#)

CytoFLEX mosaic Features

Pair Your CytoFLEX LX/S* Flow Cytometer with the CytoFLEX mosaic Spectral Detection Module to Enable Your [Spectral Flow Cytometry](#) Capabilities

A flexible approach to spectral flow

The CytoFLEX mosaic module provides you with the flexibility to switch between conventional and spectral modes, allowing you to cover experimental workflows from the simplest to the most advanced in a "grow as you need" approach.

Having two analyzers in one helps maintain the continuity of your experiments while implementing spectral capabilities.

Making the complex easy

CytExpert Spectral enhances the software experience you already love, so you don't have to invest in long training sessions, reducing the time needed to transition to spectral technology.

Additionally, you can access the Cytobank platform directly from the CytExpert Spectral software with just one click for user-friendly, machine learning- powered analysis of your complex spectral data.

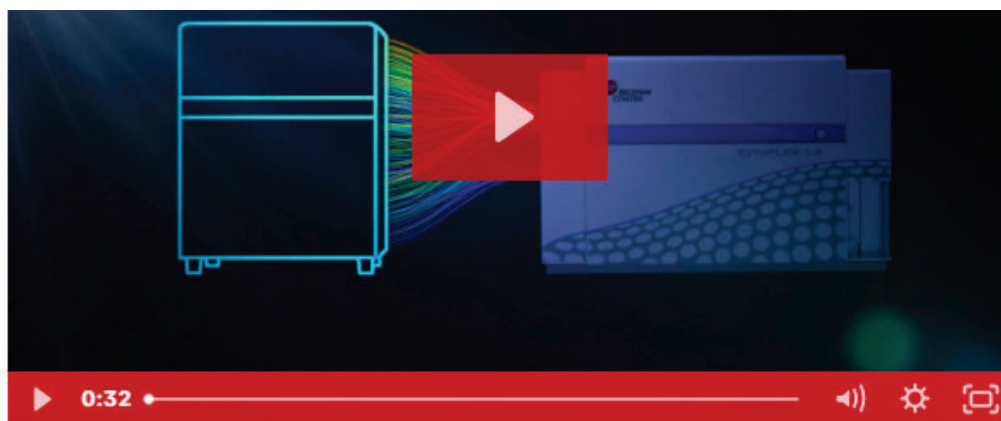
Data you can trust

The CytoFLEX mosaic module is powered by a unique algorithm capable of improving resolution compared to other available methods.

With unmixing accuracy checks and all the necessary features for accurate controls, you can be sure to get the best possible results from your spectral experiments.

Introducing the CytoFLEX mosaic





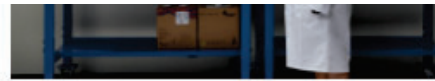
- CytoFLEX mosaic attaches manually to a CytoFLEX S or CytoFLEX LX analyzer.
- 2 possible configurations
 - CytoFLEX mosaic 88 for CytoFLEX LX (88 channels of detection)
 - CytoFLEX mosaic 63 for 4L CytoFLEX S (63 channels of detection)
- The pattern of fluorescence channels of detection are:
 - U20, V20, B16, Y12, R10, IR3 for CytoFLEX mosaic 88 + CytoFLEX LX UV
 - U18, V20, B16, Y12, R10, IR3 for CytoFLEX mosaic 88 + CytoFLEX LX NUV
 - V20, B16, Y12, R10, IR3 for the CytoFLEX mosaic 63
- SSC on each laser to expand the possibilities of your research with label-free parameters.
- Separate CytExpert Spectral software with minimal differences in the user experience to ensure you get your spectral work up and running in as little time as possible.
- Two algorithms available for unmixing depending on user requirements and to confirm results quality.
- 10 autofluorescence channels to gate out autofluorescence from several populations simultaneously.

Learn more about the newest CytoFLEX mosaic Spectral Detection Module Addition



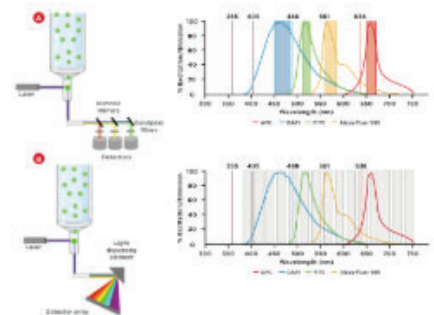


CytoFLEX mosaic 63 Spectral Detection Module Technical Specifications

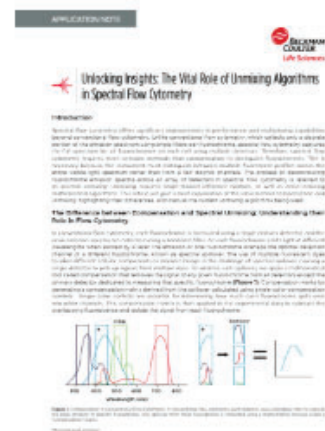


CytoFLEX mosaic 88 Spectral Detection Module Technical Specifications

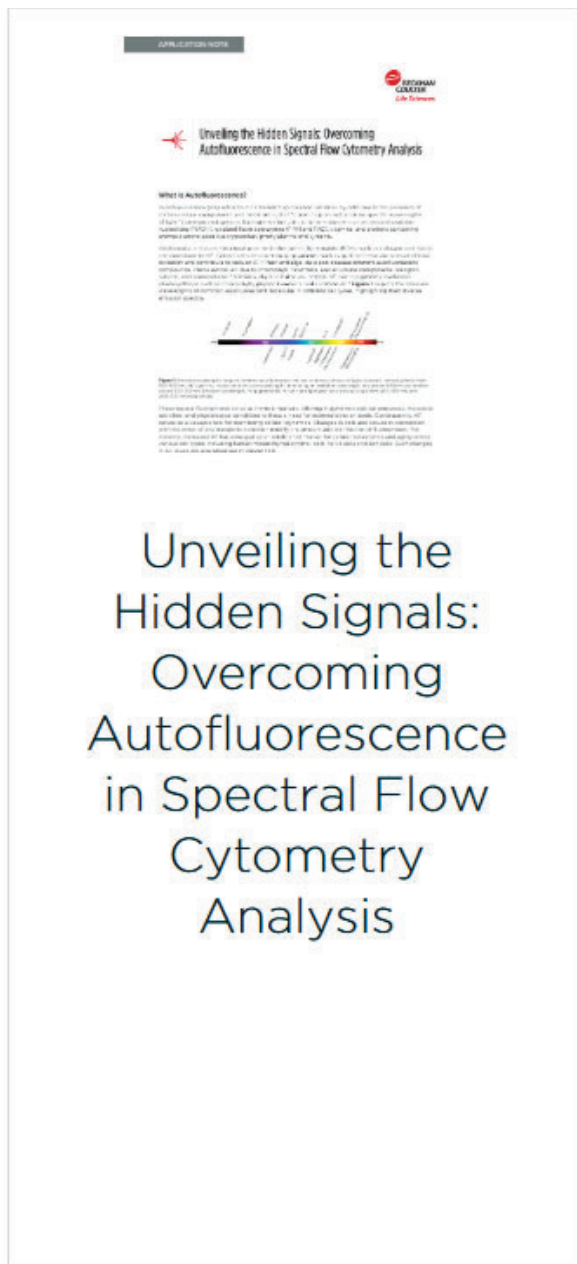
Streamline Spectral Flow Analysis



Spectral Flow Cytometry: A Detailed Scientific Overview



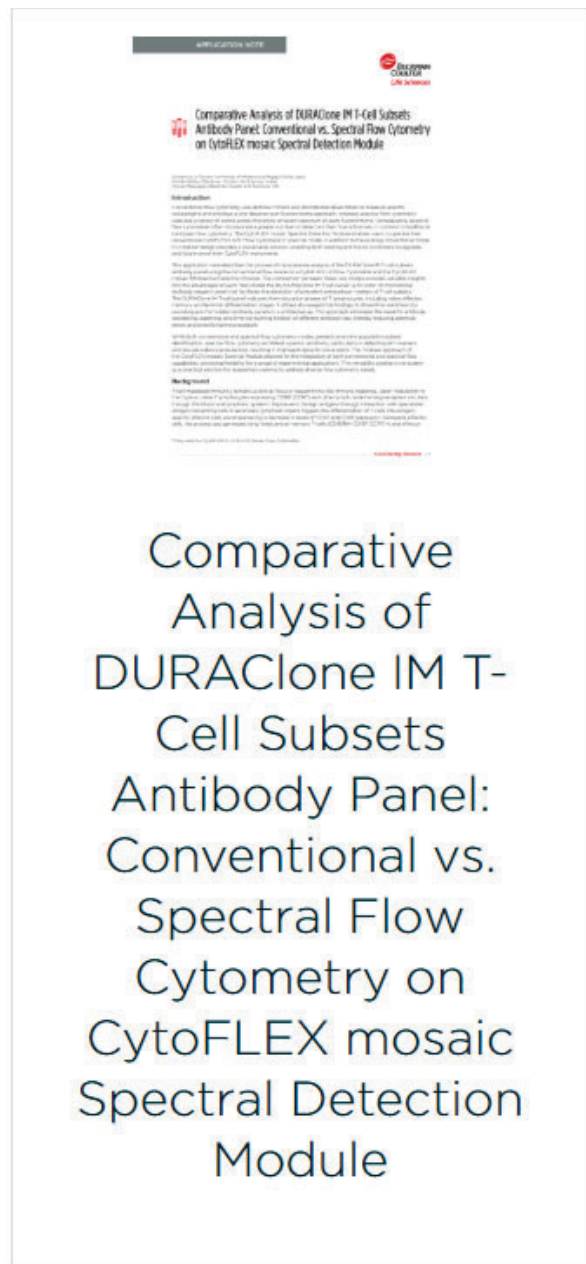
Unlocking Insights: The Vital Role of Unmixing Algorithms in Spectral Flow Cytometry



Unveiling the Hidden Signals: Overcoming Autofluorescence in Spectral Flow Cytometry Analysis



Transferring an



Comparative Analysis of DURAClone IM T-Cell Subsets Antibody Panel: Conventional vs. Spectral Flow Cytometry on CytoFLEX mosaic Spectral Detection Module



Enhanced

existing OMIP
panel onto the
CytoFLEX mosaic
Spectral Detection
Module

Spectral Unmixing
of White Blood
Cell Populations
by Extracting
Multiple
Autofluorescence
Signatures

FILTERS

Explore CytoFLEX mosaic Models

Results 1-7 of 7

 <p>CytoFLEX mosaic 88 Spectral Detection Module N-V-B-Y-R (5 laser, CytoFLEX LX NUV)</p> <p>Product No: D19585</p> <p>Part Number D19585</p> <p>Product Name CytoFLEX mosaic</p> <p>Regulatory Status RUO</p> <p>Request a Quote</p>	 <p>CytoFLEX mosaic 88 Spectral Detection Module U-V-B-Y-R-I (6 laser, CytoFLEX LX UV)</p> <p>Product No: D19581</p> <p>Part Number D19581</p> <p>Product Name CytoFLEX mosaic</p> <p>Regulatory Status RUO</p> <p>Request a Quote</p>	 <p>CytoFLEX mosaic 88 Spectral Detection Module U-V-B-Y-R (5 laser, CytoFLEX LX UV)</p> <p>Product No: D19582</p> <p>Part Number D19582</p> <p>Product Name CytoFLEX mosaic</p> <p>Regulatory Status RUO</p> <p>Request a Quote</p>
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**CytoFLEX mosaic 88 Spectral
Detection Module N-V-B-Y-R-
I (6 laser, CytoFLEX LX NUV)**

Product No: D19584

Part Number
D19584

Product Name
CytoFLEX mosaic

Regulatory Status
RUO

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**CytoFLEX mosaic 88 Spectral
Detection Module U-V-B-R (4
laser, CytoFLEX LX UV)**

Product No: D19583

Part Number
D19583

Product Name
CytoFLEX mosaic

Regulatory Status
RUO

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**CytoFLEX mosaic 88 Spectral
Detection Module V-B-Y-R (4
laser, CytoFLEX LX NUV)**

Product No: D19586

Part Number
D19586

Product Name
CytoFLEX mosaic

Regulatory Status
RUO

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**CytoFLEX mosaic 63 Spectral
Detection Module V-B-Y-R (4
laser, CytoFLEX S 561)**

Product No: D19587

Part Number
D19587

Product Name
CytoFLEX mosaic

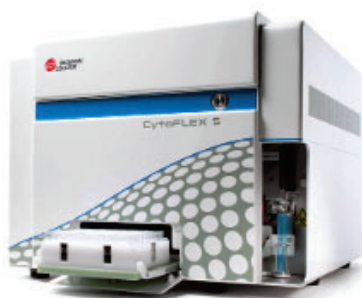
Regulatory Status
RUO

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Technical Documents

Please view Technical Documents for CytoFLEX mosaic [here](#).

CytoFLEX mosaic Related Parts



CytoFLEX S Flow Cytometer

Beckman Coulter's CytoFLEX S benchtop flow cytometer brings up to four-laser instrumentation to the ...



CytoFLEX LX Flow Cytometer

Beckman Coulter's CytoFLEX LX Flow Cytometer brings up to six-laser instruments to the research ...

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