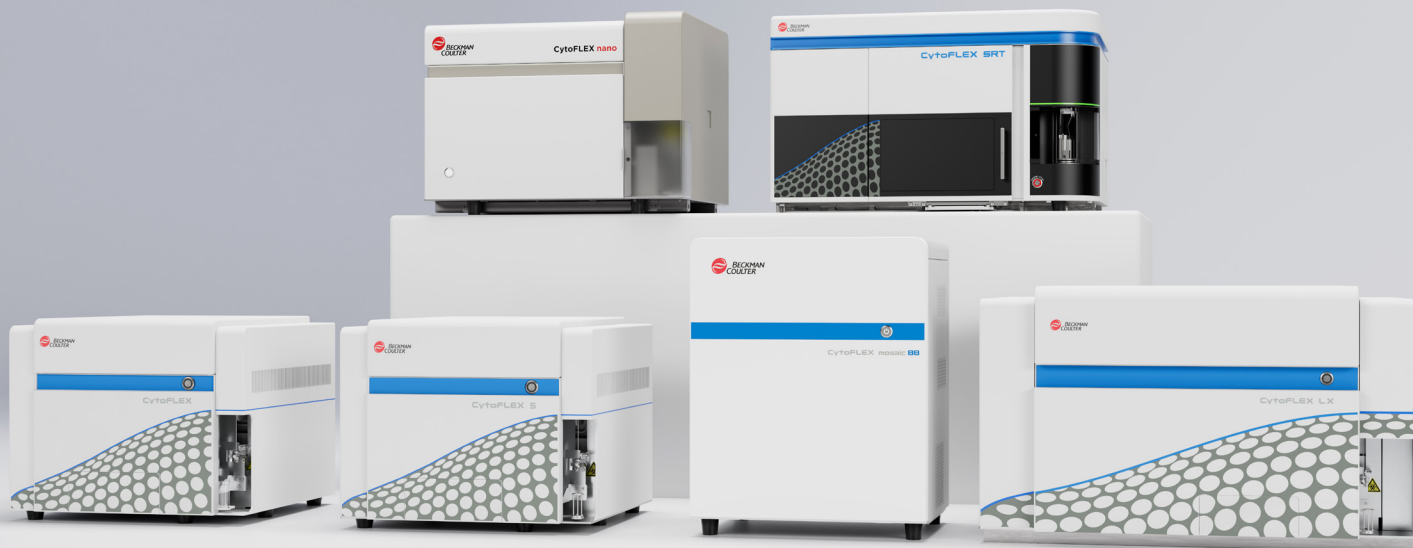




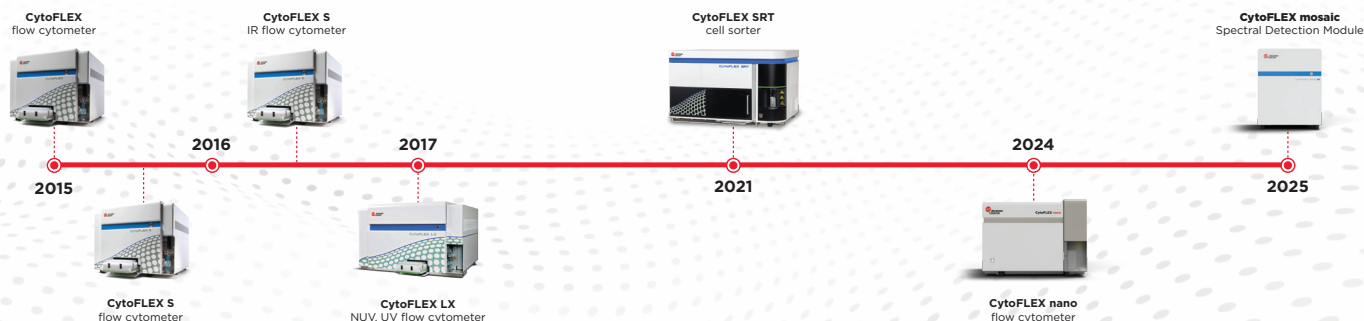
Instrument Configuration Options

CytoFLEX platform for conventional/spectral flow cytometry & benchtop cell sorting

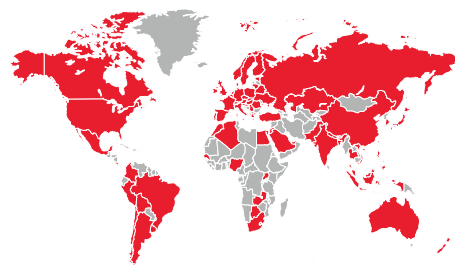
ACCELERATING
answers

 **BECKMAN
COULTER**
Life Sciences

10+ years of innovation in flow cytometry & cell sorting



Since its inception, researchers have relied on the CytoFLEX platform for its exceptional sensitivity, state-of-the-art detection technology, and extensive configuration options. Today, a CytoFLEX instrument can be found in nearly **10,000** labs around the world.



Configuration Options

CytoFLEX Flow Cytometer

Configurations	Violet Detectors (V)-405 nm	Blue Detectors (B)-488 nm	Red Detectors (R)- 638 nm	Lasers
V0-B4-R0	0	4	0	1
V0-B5-R0	0	5	0	1
V0-B3-R1	0	3	1	2
V0-B2-R2	0	2	2	2
V2-B2-R0	2	2	0	2
V0-B3-R2	0	3	2	2
V0-B3-R3	0	3	3	2
V3-B3-R0	3	3	0	2
V0-B4-R2	0	4	2	2
V0-B5-R3	0	5	3	2
V5-B5-R0	5	5	0	2
V2-B2-R2	2	2	2	3
V2-B3-R2	2	3	2	3
V2-B3-R3	2	3	3	3
V2-B4-R2	2	4	2	3
V3-B3-R3	3	3	3	3
V2-B4-R3	2	4	3	3
V2-B5-R3	2	5	3	3
V3-B4-R3	3	4	3	3
V4-B4-R3	4	4	3	3
V5-B3-R3	5	3	3	3
V4-B5-R3	4	5	3	3
V5-B4-R3	5	4	3	3
V5-B5-R3	5	5	3	3

CytoFLEX S Flow Cytometer

Configuration	Near UV Detectors (N) -375 nm	Violet Detectors (V)-405 nm	Blue Detectors (B)-488 nm	Yellow Detectors (Y) - 561 nm	Red Detectors (R)- 638 nm	Infrared Detectors (R)- 808 nm	Lasers
V0-B2-Y4-R0	0	0	2	4	0	0	2
N2-V0-B4-R0	2	0	4	0	0	0	2
V0-B4-R0-I2	0	0	4	0	0	2	2
N0-V0-B2-Y4	0	0	2	4	0	0	2
N0-V0-B2-Y2	0	0	2	2	0	0	2
N2-V0-B2-Y4	2	0	2	4	0	0	3
V2-B2-Y2-R0	0	2	2	2	0	0	3
V4-B2-Y0-R3	0	4	2	0	3	0	3
V4-B2-Y4-R0	0	4	2	4	0	0	3
V0-B2-Y4-R0	0	0	2	4	0	0	3
N0-V4-B2-Y4	0	4	2	4	0	0	3
V4-B4-R0-I2	0	4	4	0	0	2	3
V0-B4-R3-I2	0	0	4	0	3	2	3
N2-V0-B5-R3	2	0	5	0	3	0	3
V2-B2-Y3-R2	0	2	2	3	2	0	4
N2-V3-B5-R3	2	3	5	0	3	0	4
V4-B4-R3-I2	0	4	4	0	3	2	4
N2-V4-B2-Y4	2	4	2	4	0	0	4
V4-B2-Y4-R3	0	4	2	4	3	0	4

CytoFLEX LX Flow Cytometer

Configuration	UV detector (U)-355 nm	Near UV Detectors (N) -375 nm	Violet Detectors (V)-405 nm	Blue Detectors (B)-488 nm	Yellow Detectors (Y) - 561 nm	Red Detectors (R)- 638 nm	Infrared Detectors (R)- 808 nm	Lasers
N0-V5-B3-Y5-R3-I0	0	0	5	3	5	3	0	4
U3-V5-B3-Y0-R3-I0	3	0	5	3	0	3	0	4
U3-V5-B3-Y3-R0-I0	3	0	5	3	3	0	0	4
N3-V5-B3-Y5-R3-I0	0	3	5	3	5	3	0	5
U3-V5-B3-Y5-R3-I0	3	0	5	3	5	3	0	5
N3-V5-B3-Y5-R3-I2	0	3	5	3	5	3	2	6
U3-V5-B3-Y5-R3-I2	3	0	5	3	5	3	2	6



Optional Bandpass Filters for the CytoFLEX Platform

CytoFLEX SRT Cell Sorter

Configuration	Violet Detectors (V)-405 nm	Blue Detectors (B)-488 nm	Yellow Detectors (Y) - 561 nm	Red Detectors (R)- 638 nm	Lasers
V0-B2-Y0-R3	0	2	0	3	2
V0-B2-Y5-R0	0	2	5	0	2
V5-B2-Y0-R0	5	2	0	0	2
V5-B2-Y0-R3	5	2	0	3	3
V0-B2-Y5-R3	0	2	5	3	3
V5-B2-Y5-R0	5	2	5	0	3
V5-B2-Y5-R3	5	2	5	3	4

CytoFLEX nano Flow Cytometer*

Configuration	Violet Detectors (V)-405 nm	Blue Detectors (B)-488 nm	Yellow Detectors (Y) - 561 nm	Red Detectors (R)- 638 nm	Side Scatters	Lasers
V2-B1-Y1-R1	1	1	1	3	5	4
Fluorescence Detectors	Violet Detectors (V)-405 nm	Blue Detectors (B)-488 nm	Yellow Detectors (Y) - 561 nm	Red Detectors (R)- 638 nm		
CytoFLEX nano	447/60 BP	531/46 BP	595/50 BP	670/30 BP	710/47 BP	792/64 BP
Side Scatter	Violet Detectors (V)-405 nm		Blue Detectors (B)-488 nm	Yellow Detectors (Y) - 561 nm	Red Detectors (R)- 638 nm	
CytoFLEX nano	405/10 BP (VSSC1)		405/10 BP (VSSC2)	488/8 BP (BSSC)	561/6 BP (YGSSC)	638/6 BP (RSSC)

*The CytoFLEX nano Flow Cytometer utilizes a collinear excitation system. The number of detection channels associated with each excitation laser should be read as the minimum.

CytoFLEX mosaic Spectral Detection Modules

CytoFLEX mosaic 88 for CytoFLEX LX
(88 channels of detection)

CytoFLEX mosaic 63 for 4L CytoFLEX S
(63 channels of detection)*

Pattern of fluorescence channels of detection:

- 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, for the CytoFLEX mosaic 63

No.	CytoFLEX Analyzer	CytoFLEX mosaic	Colors (FSC/SSC/FL)	355/375 nm (SSC/FL)	405 nm (SSC/FL)	488 nm (SSC/FL)	561 nm (SSC/FL)	638 nm (SSC/FL)	808 nm (SSC/FL)	FSC
1	CytoFLEX S B2-R3-V4-Y4	CytoFLEX mosaic 63 V-B-Y-R	1/4/58	N/A	1/20	1/16	1/12	1/10	N/A	1
2	CytoFLEX LX U3-V5-B3-Y0-R3-I0	CytoFLEX mosaic 88 U-V-B-R	1/4/66	1/20	1/20	1/16	N/A	1/10	N/A	1
3	CytoFLEX LX U3-V5-B3-Y5-R3-I0	CytoFLEX mosaic 88 U-V-B-Y-R	1/5/78	1/20	1/20	1/16	1/12	1/10	N/A	1
4	CytoFLEX LX U3-V5-B3-Y5-R3-I2	CytoFLEX mosaic 88 U-V-B-Y-R-I	1/6/81	1/20	1/20	1/16	1/12	1/10	1/3	1
5	CytoFLEX LX N0-V5-B3-Y5-R3-I0	CytoFLEX mosaic 88 V-B-Y-R	1/4/58	N/A	1/20	1/16	1/12	1/10	N/A	1
6	CytoFLEX LX N3-V5-B3-Y5-R3-I0	CytoFLEX mosaic 88 N-V-B-Y-R	1/5/76	1/18	1/20	1/16	1/12	1/10	N/A	1
7	CytoFLEX LX N3-V5-B3-Y5-R3-I2	CytoFLEX mosaic 88 N-V-B-Y-R-I	1/6/79	1/18	1/20	1/16	1/12	1/10	1/3	1

*Only valid for CytoFLEX S (V-B-Y-R) Series Flow Cytometer.

Visit beckman.com to learn more about our CytoFLEX products



For Research Use Only. Not for use in diagnostic procedures.

© 2025 Beckman Coulter, Inc. All rights reserved. Beckman Coulter, the stylized logo and the Beckman Coulter product and service marks mentioned herein are trademarks or registered trademarks of Beckman Coulter, Inc. in the United States and other countries. All other trademarks are the property of their respective owners.

For Beckman Coulter's worldwide office locations and phone numbers, please visit Contact Us at beckman.com
2025-GBL-EN-107659-v1

