

Flaucitometru BD STAT FACS Via (1 unitate)



Utilizare

Flaucitometrul este destinat pentru testarea populațiilor și subpopulațiilor limfocitare CD3, CD4, CD8, CD16, CD19 cu utilizarea anticorpilor monoclonali anti-CD



Caracteristici tehnice

Optics

Laser excitation

488 nm, 640 nm**

Laser profile

9 μm x 94 μm blue laser beam size
11 μm x 104 μm red laser beam size

Light scatter detection

Forward (photodiode with 488/10 BP)
Side (photodiode with 488/10 BP)

Emission detection

Standard set optical filters installed:

- FL1 533/30 nm
- FL2 585/40 nm
- FL3 >670 nm**
- FL4 675/25 nm**

Optical alignment

Fixed alignment

Performance

Fluorescence sensitivity, MESF*

FITC <150; PE <100

Scatter resolution

Resolves human peripheral blood lymphocytes, monocytes, and granulocytes

Fluorescence linearity

2 ±0.05% for chicken erythrocyte nuclei (CEN)

Fluorescence precision

<3% CV for CEN

Data acquisition rate

Up to 10,000 events/second

Signal processing

24-bit data path

*MESF values determined using Thermo Scientific Cyto-Cal™ Multifluor Plus Violet Intensity Calibrator.

Fluidics

Flow cell

200-μm ID quartz capillary
Minimum detectable particle size 0.5 μm

Minimum acquisition sample volume

Standard 12 x 75-mm tubes: 50 μL
BD Trucount™ tubes: 150 μL
Loader with standard 12 x 75-mm tubes: 100 μL

Recommended sheath fluid

0.2-μm filtered DI water with BD™ Sheath Additive

Maximum events per sample

1 million

Data management

Workstation specifications (minimum required)

3.4 GHz, 8 GB RAM

Hard drive and data storage

- 256-GB SATA 1st Solid State Drive
- 16X DVD-ROM SATA 1st ODD

Operating system

Microsoft® Windows® 7 Professional 64-bit OS
DVD + Driver DVD

Peripheral devices

2 USB ports
HP USB Keyboard US
HP USB Optical Mouse

Recommended monitor

LCD flat panel, 23 in.

Data management options

BD FACSLink™ software
BD Assurity Linc™ software

Networking

Ethernet LAN 10/100/1,000

BD FACS Via clinical software

User name, password access
Single-tube QC with BD™ CS&T beads
QC Module with Levey-Jennings plots
Laboratory and physician reports (.pdf)

Pre-set templates for:

- BD Leucocount

BD FACS Via research software**

Support for user-defined assays