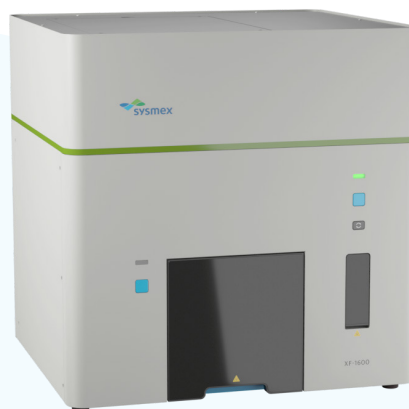


## Flow Cytometer

# XF-1600™



### Brief Product Description

The highly automated XF-1600 Flow Cytometer provides researchers with improved flexibility and efficiency for a wide range of applications

### Principles and Technology

Standard single tube loading port and rotor-based autoloader with optional sample mixing capabilities

Three spatially separated lasers: 405 nm, 488 nm, 638 nm

Operating system (OS): Windows® 10 professional (64bit)

FCS format 3.0

### Fluorescence Detectors

10 fluorescence channels

### Sample Flow Rate

Low: 5  $\mu$ L per minute

Medium: 30  $\mu$ L per minute and 60  $\mu$ L per minute

High: 90  $\mu$ L per minute and 120  $\mu$ L per minute

### Sensitivity

FITC < 100 MESF

PE < 50 MESF

APC < 100 MESF

### Features

Fast data acquisition rates up to 50,000 events per second and 5 million events from 37 parameters including height, area, width and time

Carry-over at 0.1% in standard mode

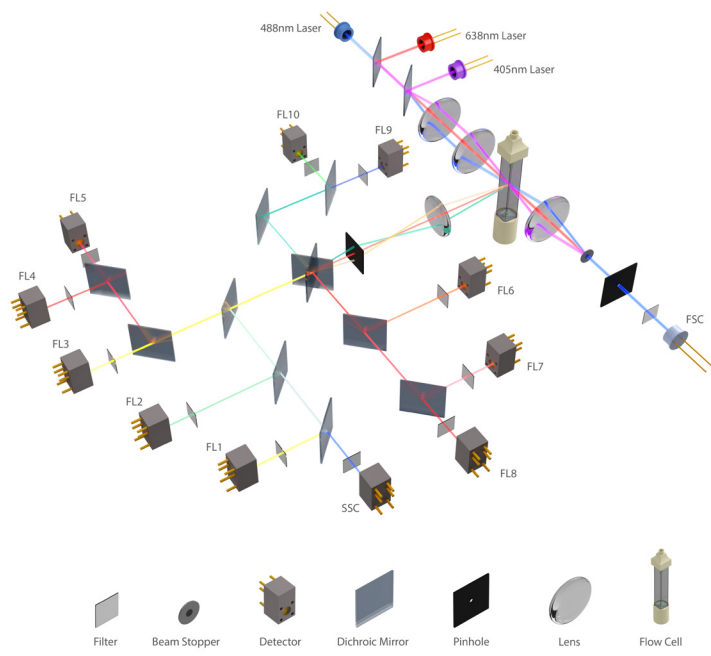
PS-10™ and Helmer UltraCW® II Cell Washer compatible

Particle resolution - 0.5  $\mu$ m on scatter and up to 50  $\mu$ m

### Dimensions and Weight

700 mm (W) x 630 mm (D) x 740 mm (H); 100 kg

# Optics Specifications



Channel	Laser wavelength	Fluorochromes or FSC/SSC	Optical filters
FSC	488 nm	Forward scatter	—
SSC		Side scatter	—
FL1		FITC	530/30
FL2		PE	580/30
FL3		PE-DyLight 594	610/14
FL4		PerCP-Cy5.5	700/50
FL5		PE-Cy7	750LP
FL6	638 nm	APC	660/20
FL7		Alexa Fluor 700	720/40
FL8		APC-Cy7	780/60
FL9	405 nm	Pacific Blue	450/50
FL10		Pacific Orange	540/80

*\*For Research Use Only. Not for use in diagnostic procedures. RUO instruments must be validated before use in clinical practice.*

**Sysmex Corporation**  
 1-5-1-Wakinohama-Kaigandori Chuo-ku, Kobe 651-0073, Japan · Phone +81 78 265-0521 · [www.sysmex.co.jp](http://www.sysmex.co.jp)

**Sysmex America, Inc.**  
 577 Aptakisic Road, Lincolnshire, IL 60069, U.S.A. · Phone +1800 379-7639 · [www.sysmex.com/us](http://www.sysmex.com/us)

**Sysmex Canada, Inc.**  
 5700 Explorer Drive Suite 200, Mississauga, ON L4W0C6 Canada · Phone +1 905 366-7900 · [www.sysmex.ca](http://www.sysmex.ca)

**Sysmex Latin America and the Caribbean**  
 Rua Joaquim Nabuco 615 - Bairro Cidade Jardim, São José dos Pinhais Paraná - Brasil - CEP 83040-210 · Phone +55 41 2104-1314 · [www.sysmex.com.br](http://www.sysmex.com.br)