

Optics	Laser Configuration	Spatially separated beams with 10 x 80 µm elliptical spots
	Optical Alignment Procedure	Fixed, no operator alignment required
	Flow Cell	170 x 290 µm rectangular quartz flow cell
	FSC/SSC Resolution	FSC: < 0.5 µm; SSC: < 0.2 µm
	Cell Size	0.2 - 50 µm
	Fluorescence Threshold Sensitivity	FITC < 75 MESF; PE < 50 MESF; APC <20 MESF
	Fluorescence Resolution	< 3% CV for CEN
	Filters	User Exchangeable
Fluidics	Sample Acquisition Rate	35,000 events/second
	Volumetric Absolute Count Precision	CV < 5%
	Sample Flow Rate	5-120 µL/min
	Sheath Flow Rate	6.5 mL/min
	Sample Aspiration Volume	10 - 100 µL
	Fluid Container Capacity	3 L sheath, 3 L waste, 500 mL cleaning, 500 mL decontamination
	Carryover	< 0.1%
	Fluidics Maintenance	Automated startup, cleaning, decontamination and shutdown
Data Processing	Parameters	Height and Area for FSC, SSC and all Fluorescence Channels, Width and Time
	Dynamic Range	24 bit; 7.2 decades logarithmic scale; no need for PMT voltage adjustment
	Compensation	Full inter-beam matrix, during or post acquisition
	Output Data Files	FCS 3.1; CSV; Batch Reports
	Workstation	Dell OptiPlex 7010/7020SFF with 23" LCD monitor
	Computer Operating System	Microsoft Windows® 7 Professional (64 bit), Microsoft Office® 2016
	Software	ACEA NovoExpress™
Sampling	Manual Sample Loading	12 X 75mm tube, 1.5mL Eppendorf tube
	Automatic Sample Loading	Optional - compatible with 12 x 75 mm tube, 1.5 & 2mL tubes, 24-well, 48-well and 96-well microtiter plates
Operating Conditions	Instrument Dimension (W X D X H)	23.6 x 17.7 x 15.4 in (60 x 45 x 39 cm)
	Instrument Weight	86 lb (39 kg)
	Power Requirements	100/115/230VAC, 50-60 Hz
	Environment Requirements	Temperature: 15-32°C; Relative Humidity: 80% maximum

\*Some specifications and performance claims were validated using certain conditions.

## Configurable Laser Systems

### Standard VBR Systems

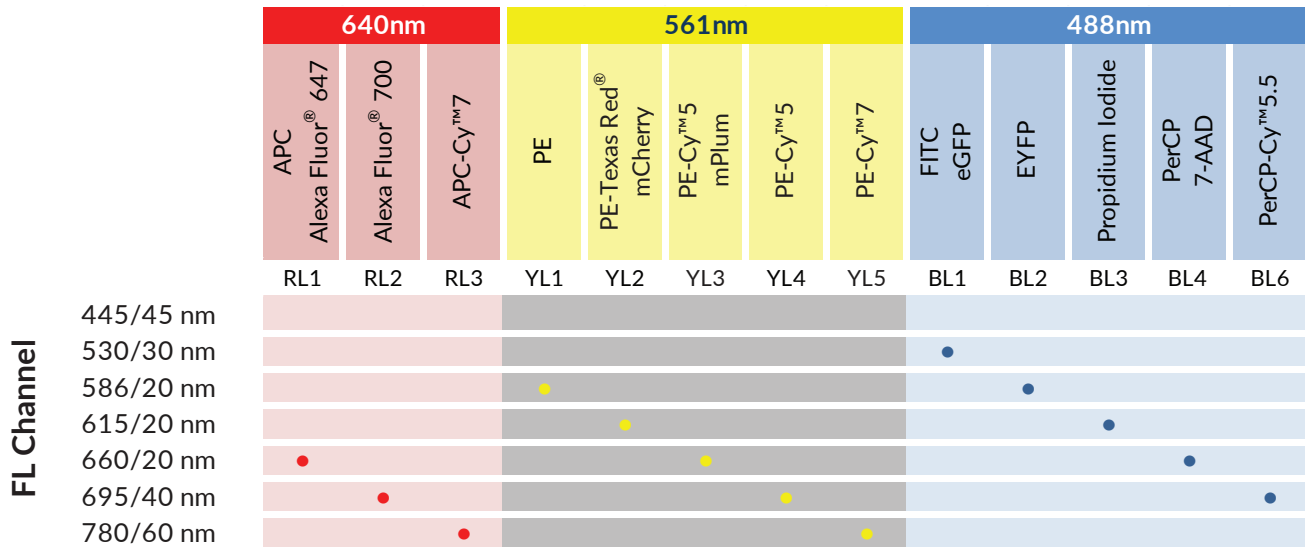
Model Number		1000	2000		2060		3000(VBR)		
Lasers		488nm	488nm	640nm	488nm	640nm	405nm	488nm	640nm
Detectors	445/45 nm						X		
	530/30 nm	X	X		X		X	X	
	572/28 nm	X	X		X		X	X	
	615/20 nm						X	X	
	675/30 nm	X	X	X	X	X	X	X	X
	780/60 nm				X	X	X	X	X

### Yellow Laser Systems

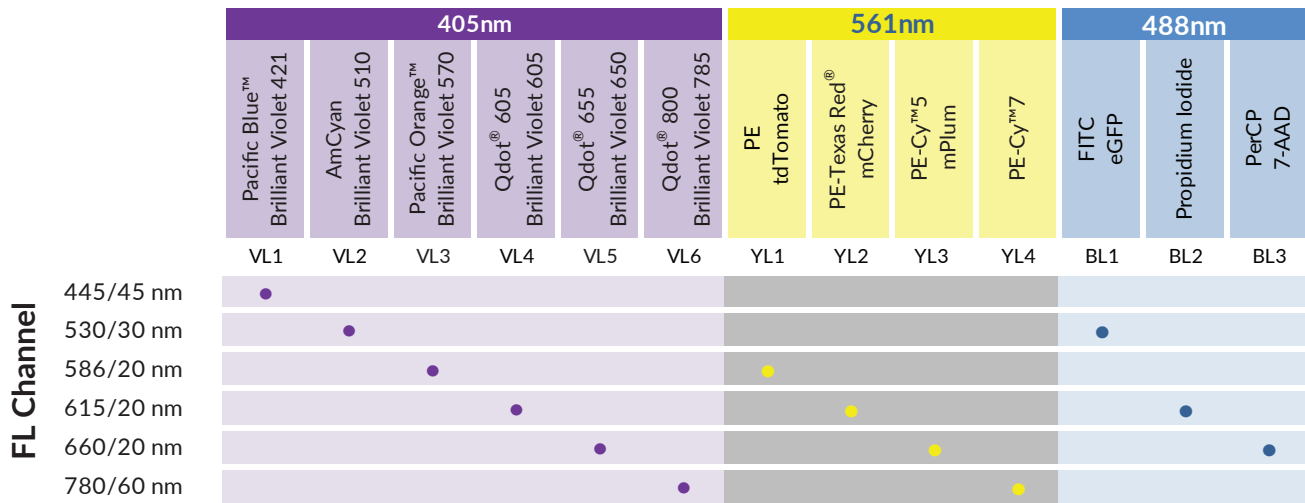
Model Number		2100Y		3000VYB			3000RYB		
Lasers		488nm	561nm	405nm	561nm	488nm	640nm	561nm	488nm
Detectors	445/45 nm			X					
	530/30 nm	X		X		X			X
	586/20 nm	X	X	X	X			X	X
	615/20 nm	X	X	X	X	X		X	X
	660/20 nm	X	X	X	X	X	X	X	X
	695/40 nm	X	X				X	X	X
	780/60 nm		X	X	X		X	X	

# Compatible Fluorochromes

## NovoCyte 3000 RYB Channels



## NovoCyte 3000 VYB Channels



## NovoCyte 3000 VRB Channels

