

# YETI Technical Specifications

System	Fluorescence Sensitivity	<100 MESF for FITC, PE, APC
	Scatter Sensitivity	<0.2µm FSC resolution with small particle detection module
	Loader	Integrated sample loader with agitation and temperature control. Up to 384 well plates; 40 tube rack for 5mL 12 x 75mm tube loading. Stat tube position for single tube loading
Optics	Excitation	Up to five spatially separated lasers. Standard options include: 355nm, 50mW      405nm, 100mW      561nm, 50mW 375nm, 50mW      488nm, 60mW      640nm, 100mW
	Detection	Up to 30 detectors including FSC and SSC; optional second FSC detector
	Cuvette	Fused silica with 145 x 265µm channel
Electronics	Speed	>100,000 events per second with all parameters enabled
	Data processing	Simultaneous measured peak, area, and width for every channel. 24 Bit data for peak and area. 17 Bit data for width with high resolution linear interpolation at the half height.
Fluidics	Sample Flow Rates	0.0025-2.5µL/sec
	Bulk Fluids	4 x 4L bulk fluid tanks on board for sheath and waste. On board additive concentrate and cleaner. Optional ports for connecting to house DI and waste.
Installation	Power	95-240VAC, 50-60Hz, <500W
	Dimensions (H x W x D)	26 x 29 x 27 in; 66 x 74 x 69 cm
	Weight	<200 lbs; <90 kg
	Temperature & Humidity	18-25°C; 20-60% RH
	Air & vacuum supply	Included, on-board
Software	Operating System	Windows 7 Pro
	Software	≡VO v 1.1
	FCS format	FCS 3.1
	QC	Automated quality control with on-board calibration beads
	Workstation	Intel Core i5-4590 Quad Core; 3.3 GHz; 8 GB RAM DDR 1600 MHz; 1 TB Storage
Regulatory		CE, Class I (I) laser product
		Research Use Only