

### FLOW CYTOMETRY CHART

Category	Purpose	Frequency	Products
Daily QC	General check of instrument stability/status	Daily	Full Spectrum™ (multi) Ultra Rainbow Fluorescent Particles (multi) Fluorescent Reference Standards (single)
Daily QC	General check of instrument optical system	Daily	Full Spectrum™ (multi) Ultra Rainbow Fluorescent Particles (multi) Fluorescent Reference Standards (single)
Daily QC	Optical Alignment	Daily	Right Reference Standard™
Daily QC	Fluidics check	Daily	Surface-labeled fluorescent microspheres, e.g.  QC Windows® QC3™ Fluorescent Reference Standards Quantum™ MESF
Weekly QC	Optical System Sensitivity, Resolution for Linearity (for specific lasers/PMTs)	Weekly	Quantum™ MESF
Daily Set-Up	Standardized instrument set-up	Daily, or  Between runs if settings are changed	QC Windows® QC3™
Daily Set-Up	Standardized compensation settings for multicolor analyses	Daily, or  Between runs if settings are changed	FITC/PE Compensation Standard Simply Cellular® Compensation Standard Quantum™ Simply Cellular®
Application	Fluorescence quantitation in cellular expression studies or bead-based assays	Daily when quantitative analyses are performed, or  Between different applications if fluorescence PMT settings are changed	Quantum™ MESF Quantum™ Simply Cellular®
Application	F:P Ratio determination for quantitative fluorescence analyses	As needed, i.e. with each new Lot of fluorochrome-conjugated antibody	Simply Cellular® (used in conjunction with Quantum™ MESF)
Application	Compensation for multicolor flow cytometry	Daily, or  Between different applications if fluorescence PMT settings are changed	FITC/PE Compensation Standard Simply Cellular® Compensation Standard Quantum™ Simply Cellular®
Application	Cell Counting	As needed	Flow Cytometry Absolute Count Standard™
Application	Cell Size Estimation	As needed	Size Calibration Standards Kit
Application	Suspension Array	Platform for development of bead-based flow cytometric assays	QuantumPlex™ QuantumPlex™M