

SPHERO™ Ultra Rainbow Calibration Particle Kits

- Consists of one bead with multiple fluorophores and intensities for calibration in all channels of the flow cytometer
- Designed for routine calibration and long term performance tracking
- Used to optimize the linearity, resolution and sensitivity
- Simplifies the calibration in the UV, Violet, Far Red, and IR channels.

Particle Type and Surface	Size, μm	Catalog No.	Unit
Ultra Rainbow Calibration Kit, 6 peaks, $10^7/\text{mL}$	3.5-3.9	URCP-38-2K	2 mL
Ultra Rainbow Calibration Kit, 6 peaks, $10^7/\text{mL}$	3.5-3.9	URCP-38-20K	20 mL
Ultra Rainbow Calibration Kit, 6 peaks, $10^7/\text{mL}$	5.0-5.4	URCP-50-2K	2 mL
Ultra Rainbow Calibration, 3 peaks, $10^6/\text{mL}$	3.0-3.4	URCP01-30-10K	10x3mL
Ultra Rainbow Calibration, 6 peaks, $10^7/\text{mL}$	8.0-12.9	URCP-100-2	2 mL

A new set of calibration particles, **Ultra Rainbow Calibration Particles**, are now available for performance tracking of flow cytometers with fluorescent channels in the Far Red. The **Ultra Rainbow Calibration Particle Kits** are available in either 3.8 μm , or 5.1 μm . These particles are supplied as a kit. One 3mL bottle of blank particles and a 2 mL bottle of fluorescent particles. The **Ultra Rainbow Calibration Particles** have improved resolution in the PE-Cy7, APC, and APC-Cy7 channels.

Figure 34 Histograms of the Ultra Rainbow Calibration Particles (Cat. No. URCP-38-2K, Lot No. AD03) on a Stratified SI400.

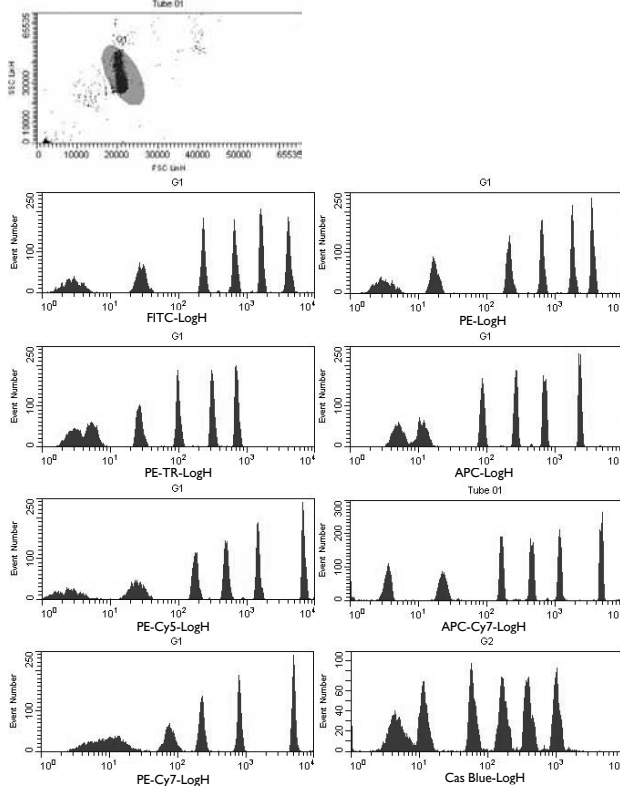


Figure 35 Histograms of the Ultra Rainbow Calibration Particles (Cat. No. URCP-38-2K, Lot No. AD03) on a Beckman Coulter Cyan™ ADP.

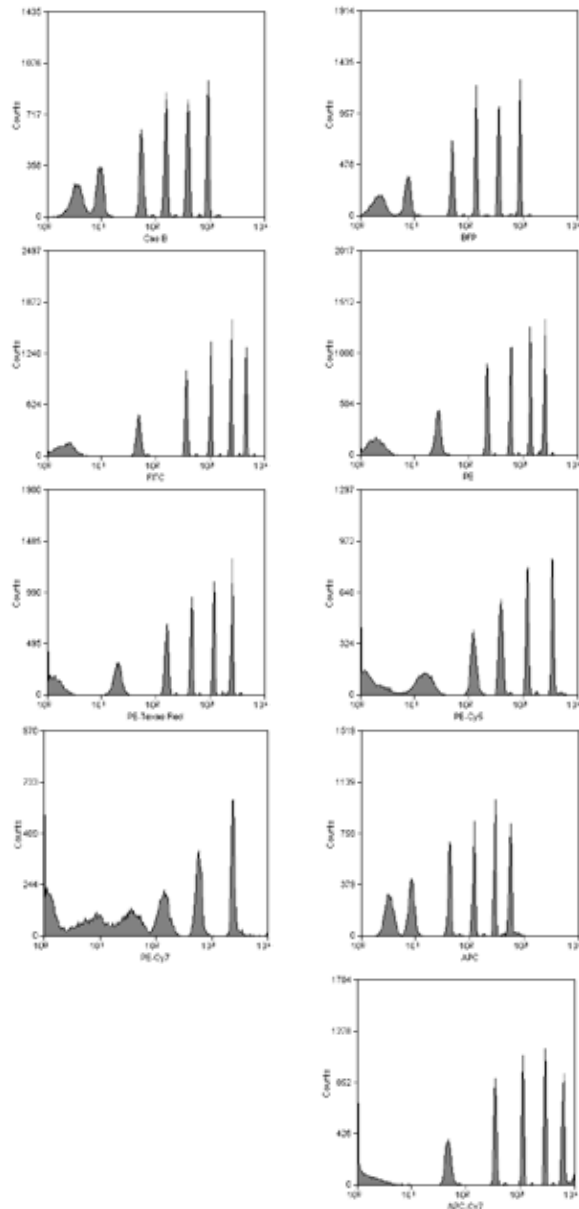
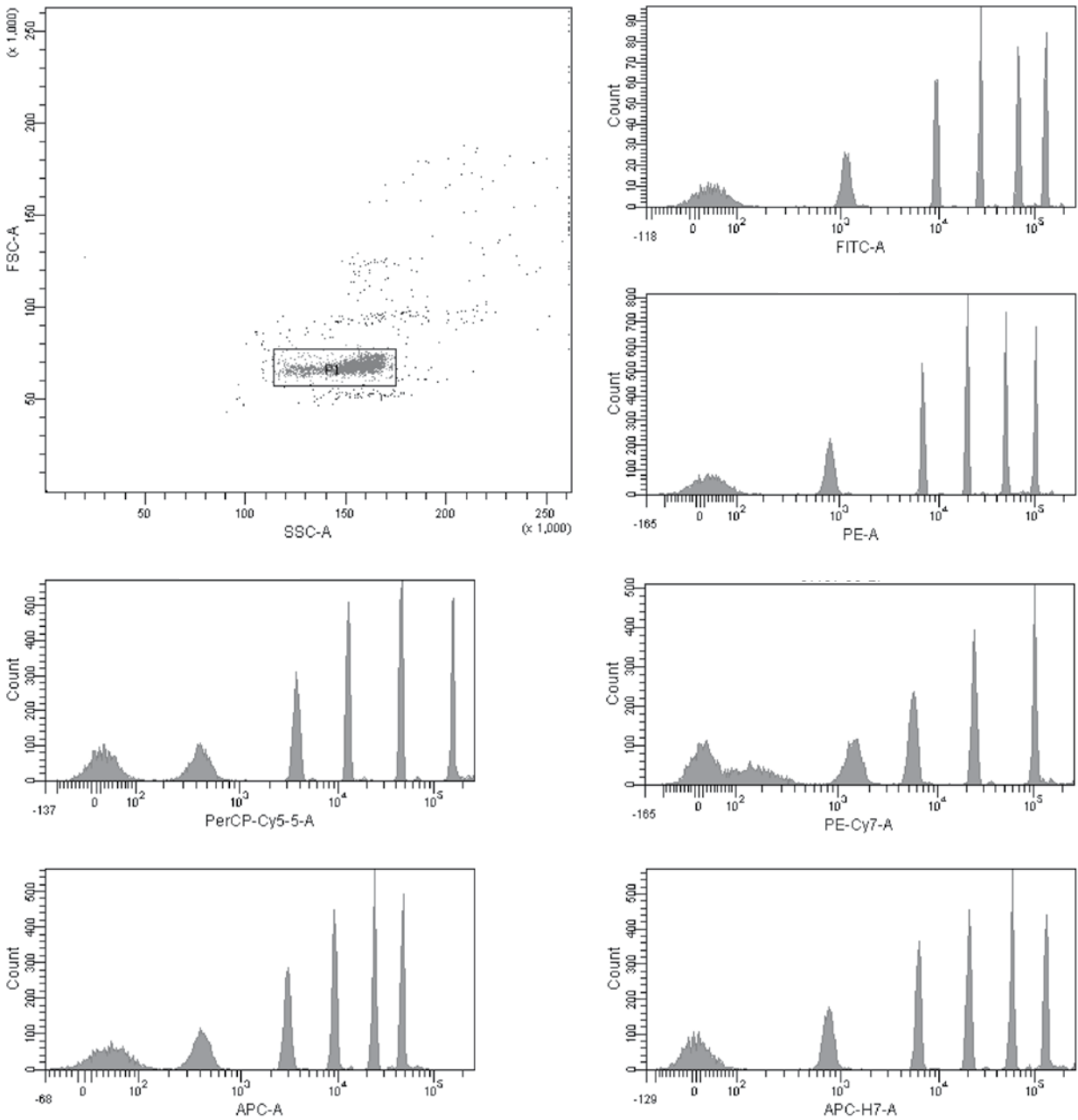


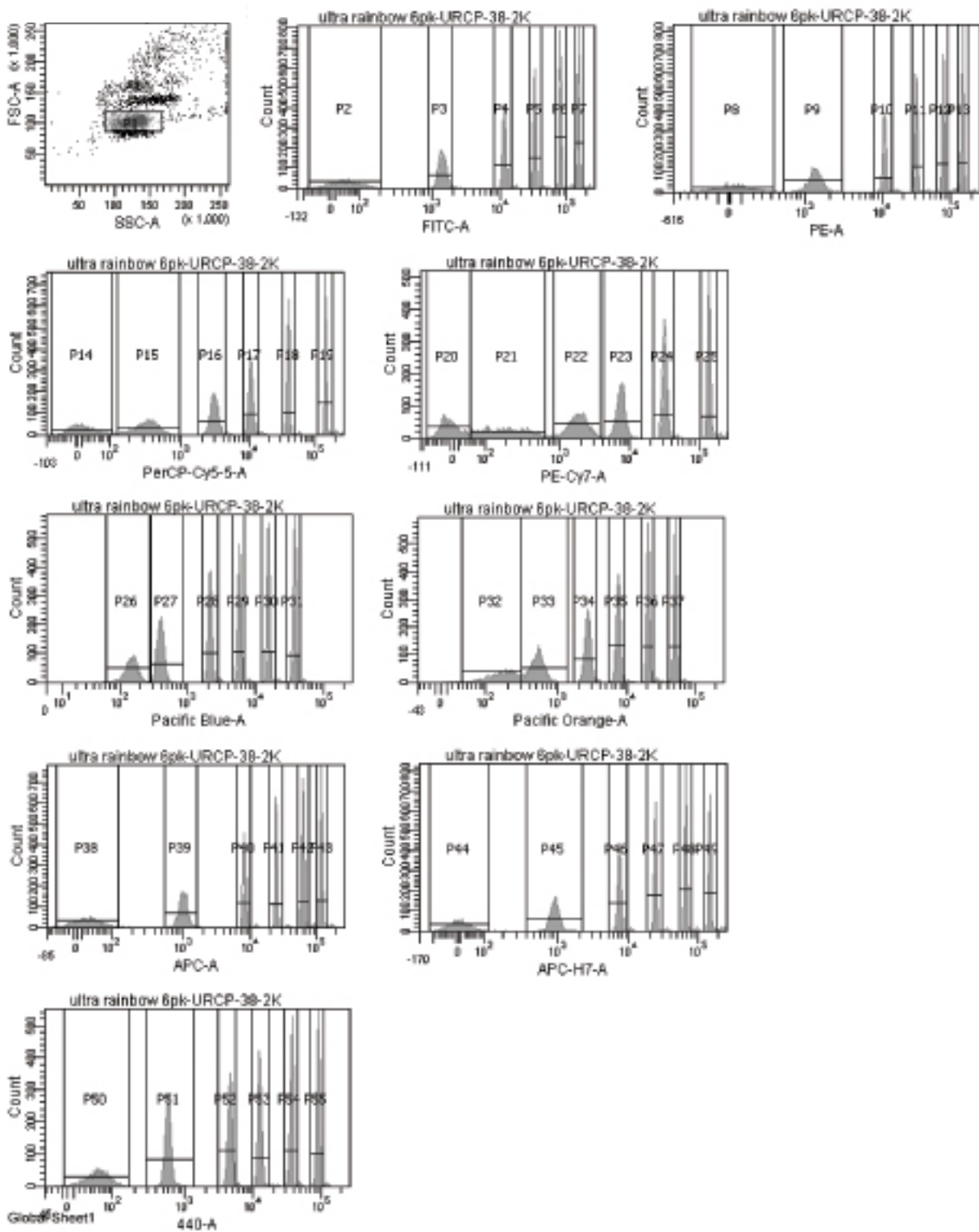
Figure 36 Histograms of the Ultra Rainbow Calibration Particles (Cat. No. URCP-38-2K, Lot No. AD03) on a BD FACSanto™ II.



Flow Cytometry Particles -
Linearity and Sensitivity

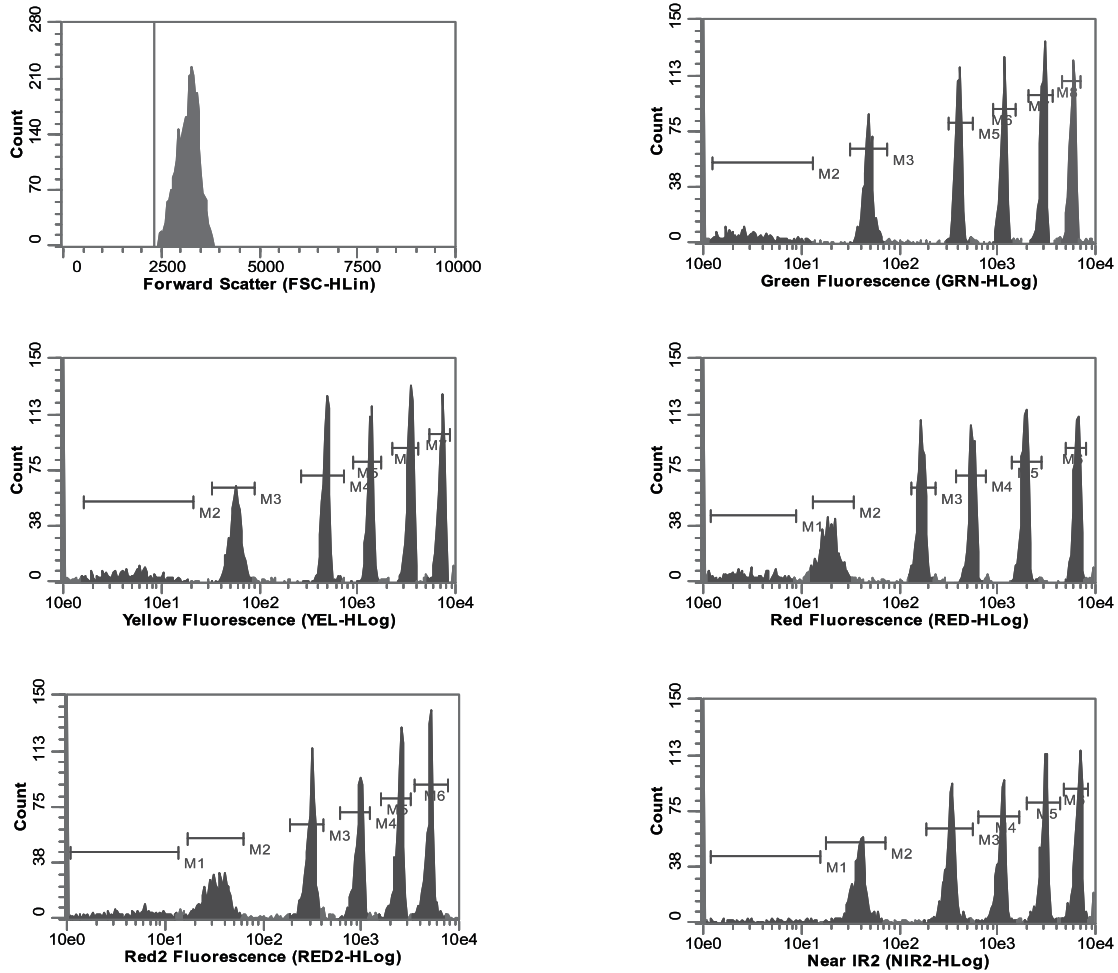
* Data provided by Laura Marszalek, Northwestern Memorial Hospital.

Figure 37 Histograms of the Ultra Rainbow Calibration Particles (Cat. No. URCP-38-2K, Lot No. AD03) on a BD LSR™ II.



* Data provided by Laura Marszalek, Northwestern Memorial Hospital.

Figure 38 Histograms of the Ultra Rainbow Calibration Particles (Cat. No. URCP-38-2K, Lot No. AD03) on a Millipore easyCyte8.



Flow Cytometry Particles -
Linearity and Sensitivity

Figure 39 Histograms of the Ultra Rainbow Calibration Particles (Cat. No. URCP-50-2K, Lot No. AE02) on a Beckman Coulter Cytan™ ADP.

Flow Cytometry Particles - Quantitative Analysis

