

## SPHERO™ Supra Rainbow Midrange Fluorescent Particles

- Consists of a single peak which has an intensity similar to real samples
- Contains a single peak with very low fluorescence and size CV
- Fluorescent in UV, FITC, PE, PE-TR, PE-Cy5, PE-Cy7, APC, APC-Cy7, and IR
- Measures the coefficients of variation (CVs), and target channels using experimental setting.

Particle Type and Surface	Size, $\mu\text{m}$	Catalog No.	Unit
Supra Rainbow Midrange Fluorescent, $10^7/\text{mL}$	3.0-3.59	SRCP-35-2A	2 mL

The Supra Rainbow Midrange Fluorescent Particles (SRCPs) have an intensity close to that of cellular samples with excellent CVs. As a result, once the optimal voltages for a particular experiment are determined, the setting can be captured as target channels based on the mean fluorescence intensity of the SRCPs. This allows creation of Levy-Jennings plots of the voltages to get the beads to a specific target channel number. The target channel numbers are more robust to instrument changes than the voltages themselves. As a result, changes in the instrument are easier to detect.

**Figure 67** Histograms of the Supra Rainbow Midrange Fluorescent Particles (Cat. No. SRCP-35-2A) using the setting of cellular samples.

