

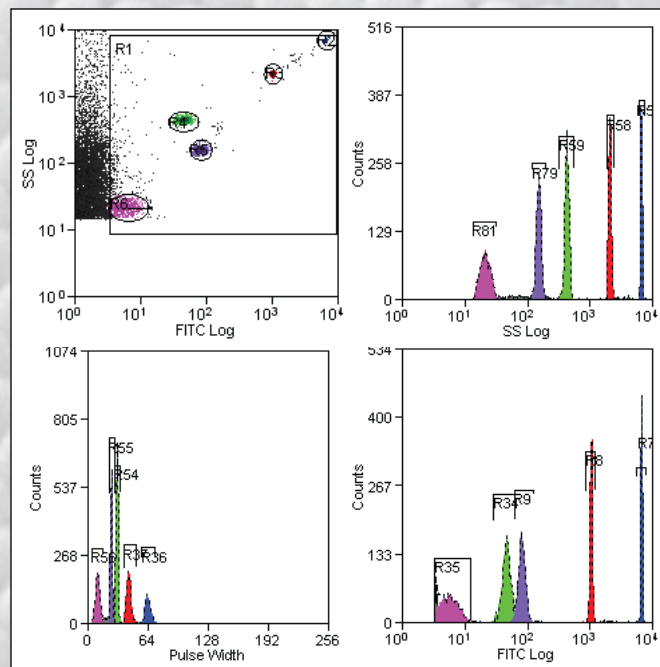
# Spherotech

Let the Possibilities Flow

## SPHERO™ Nano Polystyrene & Nano Fluorescent Size Standard Kits

Standardization in Nano Cytometry Applications

- Verifies instrument performance in Nano Cytometry fluorescent, side scatter, and width parameters
- Provides a size standard in Microbial and Microparticle Cytometry
- Determines the low end size resolution of flow cytometers

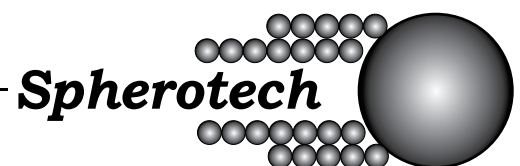


Dot plot & histograms of a mix of Cat. Nos. NFPPS-0152-5 (130 nm) and NFPPS-52-4K (220, 450, 880, and 1330 nm) analyzed with a Beckman Coulter Cyan™ ADP using FITC trigger

To learn more about Spherotech Standardization Beads for Flow Cytometry visit us online

[www.spherotech.com](http://www.spherotech.com)

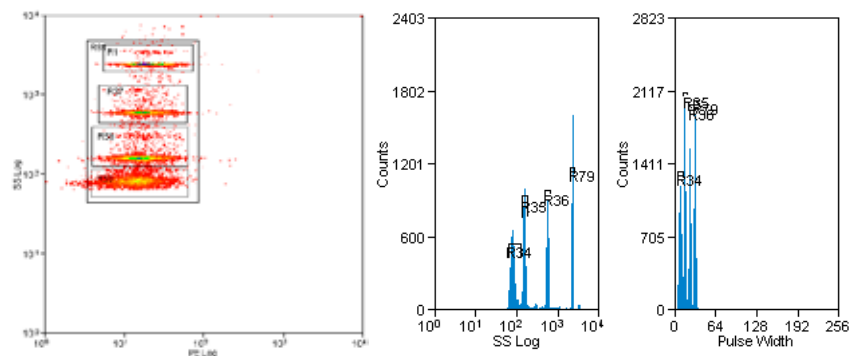
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## SPHERO™ Nano Polystyrene & Nano Fluorescent Size Standards

Designed to determine the precision, sensitivity, and accuracy of flow cytometers in applications with challenging submicron size requirements

- Detect laser fluctuations, failed electronics, or obstructions in the flow cell
- Determine background noise level and instrument efficiency at submicron range using four suspensions of different sized beads
- Check instrument's ability to distinguish small beads from instrument noise and debris
- Construct size calibration plots between nanobeads and biological nanostructures
- Establish flow cytometer parameters and settings during nano applications
- Provided ready to use with no dilutions required



Dot plot & histograms of nonfluorescent Nano Size Polystyrene Size Standard, Cat. No. NPPS-4K (220, 580, 790, and 1300nm blank polystyrene beads) on a Beckman Coulter™ ADP using SSC trigger

Particle Type and Surface	Size, $\mu\text{m}$	Catalog No.	Unit
Nano Polystyrene Size Standard Kit, Flow Cytometry Grade, 1E6/mL	0.1-0.3 $\mu\text{m}$ , 0.4-0.6 $\mu\text{m}$ , & 0.7-0.9 $\mu\text{m}$ , & 1.0-1.9 $\mu\text{m}$ ,	NPPS-4K	4x5 mL
Nano Fluorescent Size Standard Kit, Flow Cytometry Grade, Yellow, 1E6/mL	0.1-0.3 $\mu\text{m}$ , 0.4-0.6 $\mu\text{m}$ , 0.7-0.9 $\mu\text{m}$ , & 1.0-1.9 $\mu\text{m}$	NFPPS-52-4K	4x5 mL
Nano Fluorescent Particle, Yellow, 1E6/mL	0.05-0.15 $\mu\text{m}$ ,	NFPPS-0152-5	5 mL

Visit us online for more details regarding Spherotech Nano Polystyrene and Fluorescent Size Standard Kits