

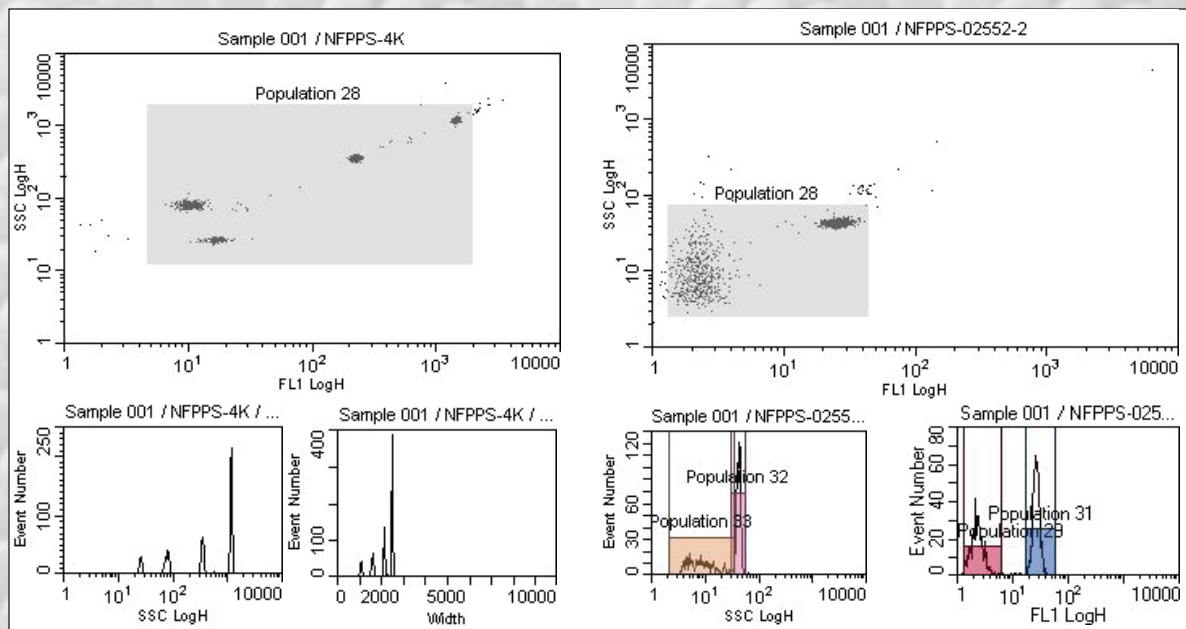
Spherotech

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



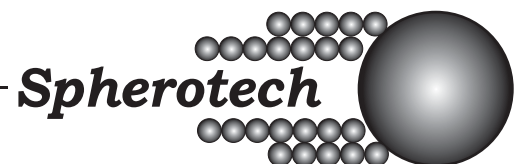
Dot plot & histograms of Cat. No. NFPPS-52-4K (220, 450, 880, and 1330 nm) analyzed with a Stratadigm S1400 using SSC trigger

Dot plot & histograms of Cat. No. NFPPS-02552-5 (220nm) mixed with Cat. No. NFPPS-01552-5 (95 nm) analyzed with a Stratadigm S1400 using FITC trigger

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

www.spherotech.com

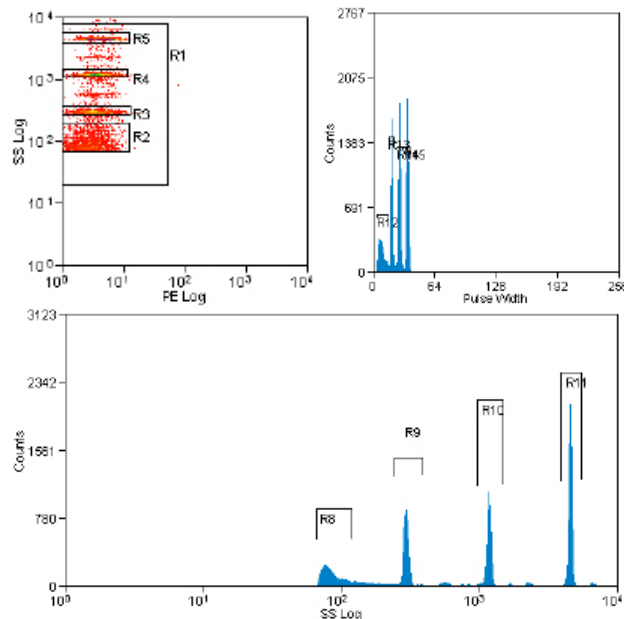
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SPHERO™ Nano Polystyrene Size Standards

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



Dot plot & histograms of nonfluorescent Nano Size Polystyrene Size Standard, Cat. No. NPPS-4K (~200, 500, 800, and 1300nm blank polystyrene beads) on a Beckman Coulter™ ADP using SSC trigger

Particle Type and Surface	Size, μm	Catalog No.	Unit
Nano Polystyrene Size Standard Kit, Flow Cytometry Grade, 1E6/mL	0.1-0.3 μm , 0.4-0.6 μm , 0.7-0.9 μm , & 1.0-1.9 μm ,	NPPS-4K	4x5 mL
Nano Fluorescent Size Standard Kit, Flow Cytometry Grade, Yellow, 1E6/mL	0.1-0.3 μm , 0.4-0.6 μm , 0.7-0.9 μm , & 1.0-1.9 μm	NFPSS-52-4K	4x5 mL
Nano Fluorescent Particle, Yellow, 1E6/mL	0.04-0.099 μm ,	NFPSS-0152-5	5 mL

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