SPHERO™ Flow Cytometry Nano Fluorescent Size Standard Kit

- Consists of fluorescent beads with 4 different diameters from 220nm to 1.33µm
- Designed to characterize microparticles (MPs, 0.5-0.9µm), aquatic bacteria (0.2-0.6µm), and platelets (0.9-3µm)
- Used to define optimal settings for MP analysis in new cytometers with increased Forward Scatter sensitivity
- Provides a submicron size standardization tool for flow cytometers
- An addition 130nm population is available as Catalog Number NFPPS-0152-5

Particle Type and Surface	Size, µm	Catalog No.	Unit
Nano Fluorescent Size Standard Kit, Flow Cytometry Grade, Yellow, 10^6/mL	0.1-0.3 µm, 0.4-0.6 µm, 0.7-0.9 µm, &1.0-1.9 µm	NFPPS-52-4K	4x5 mL
Nano Fluorescent Size Standard, Flow Cytometry Grade, Yellow, 10^6/mL	0.05-0.15 µm,	NFPPS-0152-5	5 mL

Figure 72 SSC vs FITC Dot Plot using SSC trigger for Cat. No. NFPPS-4K, Lot AC01 on a Stratedigm S1400.

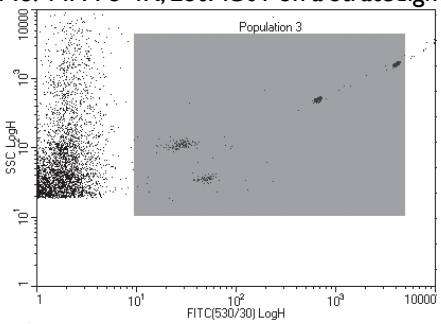
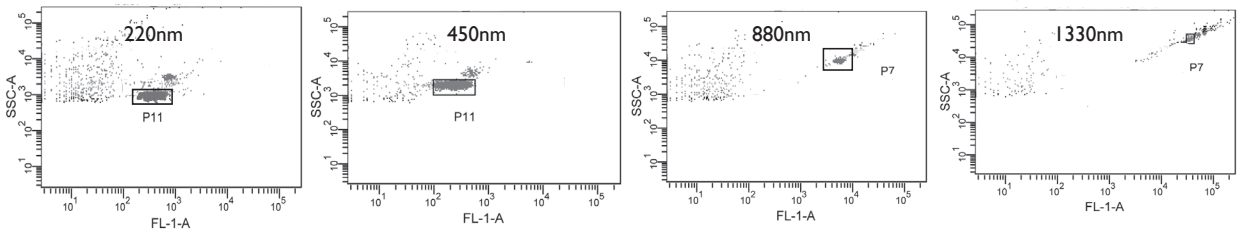


Figure 73 Dot Plots and Histograms of Cat. No. NFPPS-4K, Lot AC01, Peak 1, 0.22µm on a BD LSR2.



* Data provided by Louis King, Ph.D., Michigan State University Flow Cytometry Ctr. Dept. of Biochemistry and Molecular Biology

Figure 74 Dot Plot & histograms of Cat. No. NFPPS-4K & NFPPS-0152-5 on a Beckman Coulter Cyan ADP

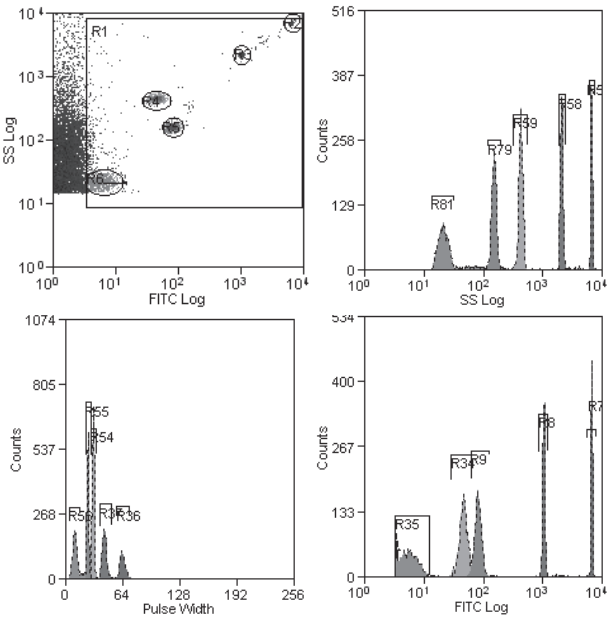
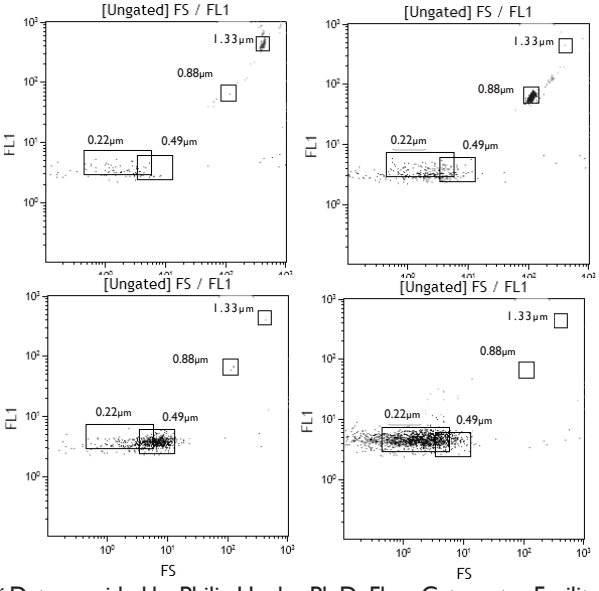


Figure 75 Dot Plots of Cat. No. NFPPS-4K, Lot AC01, on a Beckman Coulter XL.



* Data provided by Philip Hexley Ph.D., Flow Cytometry Facility, Shriners Hospital for Children - Cincinnati, OH