SPHERO™ Drop Delay Calibration Particles

- Aids in the determination of the drop delay value
- Increases the accuracy and productivity while sorting
- Consists of 2 mL at $1x10^8$ particles/mL of a single population of fluorescent particles
- Contains a mixture of fluorophores which allows detection in multiple channel flow cytometers.

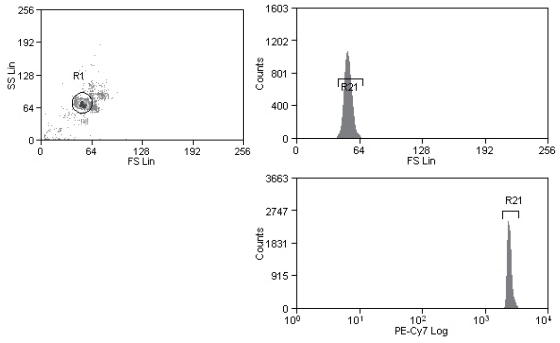
The SPHERO™ Drop Delay Calibration Particles are fluorescent particles to aid in the determination of the drop delay value for flow cytometer sorters with the appropriate attachment. As a result of using the Drop Delay Calibration Particles and the appropriate attachment, the accuracy and productivity during sorting is enhanced.

Figure 76 Initial Drop Delay Profile with Spherotech Drop Delay Calibration Particles.

Figure 77 Optimized Drop Delay Profile with Spherotech Drop Delay Calibration Particles.

Particle Type and Surface	Size, µm	Catalog No.	Unit
Drop Delay Calibration, 10^8/mL	6.0-8.0	DDCP-70-2	2 mL
Drop Delay Calibration, 10^8/mL	6.0-8.0	DDCP-70-20	20 mL

Figure 78 Histograms of Drop Delay Calibration Particles, Cat. No. DDCP-70-2.



Spherotech Inc.
Specializing in Microparticle Technology

OEM Capabilities
- Custom Microparticle Synthesis
- Custom Microparticle Coating
- Contract Research
- Feasibility Assessment
- Customized Packaging
- Inventory Management
- Bulk Formulations

Technical Support
- Assay Optimization
- Formulation Development
- Application Support

Particles manufactured by Spherotech are utilized in:
- Fluorescence Immunoassay
- Enzyme Immunoassay (EIA)
- Fluorescence Microscopy
- Confocal Fluorescence Microscopy
- Flow Cytometry / Image Cytometry
- Magnetic Cell Separation
- Magnetic Particles EIA
- Microfluidics
- Nanotechnology
- Other Research and Industrial Applications.

Our loyal customers value Spherotech's agile manufacturing capabilities, custom OEM particle solutions, and value-add supply options. Our manufacturing facilities can accommodate multi-liter lot sizes of our entire microsphere offering.