**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 1x10⁸ 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 59**  Initial Drop Delay Profile with Spherotech Drop Delay Calibration Particles.

**Figure 60**  Optimized Drop Delay Profile with Spherotech Drop Delay Calibration Particles.

<table>
<thead>
<tr>
<th>Particle Type and Surface</th>
<th>Size, µm</th>
<th>Catalog No.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drop Delay Calibration, 10⁸/mL</td>
<td>6.0-8.0</td>
<td>DDCP-70-2</td>
<td>2 mL</td>
</tr>
</tbody>
</table>

**Figure 61**  Histograms of Drop Delay Calibration Particles, Cat. No. DDCP-70-2.

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**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.