SPHERO™ Magnetic Blue Particle Array Kit

- Used in bead based flow cytometric platform multiplex analysis development
- Consists of six bead populations internally dyed with varying intensities of SPHERO™ Blue Dye
- Fluorescent in the PE-Cy5 or APC channels of the flow cytometer; all 6 populations resolved
- Minimal fluorescence in the FITC and PE channels of the flow cytometer
- Provides a carboxyl (COOH) surface, permitting the easy conjugation of analytes or analyte-specific antibodies

<table>
<thead>
<tr>
<th>Particle Type and Surface</th>
<th>Size, μm</th>
<th>Conc.</th>
<th>Catalog No.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carboxyl Magnetic Blue Particle Array Kit, 6 peaks</td>
<td>4.0 - 4.9</td>
<td>1x10⁷</td>
<td>CMPAK-4068-6K</td>
<td>6 x 1 mL</td>
</tr>
<tr>
<td>Carboxyl Magnetic Blue Particle Array Kit, 6 peaks</td>
<td>4.9 - 5.9</td>
<td>1x10⁷</td>
<td>CMPAK-5068-6K</td>
<td>6 x 1 mL</td>
</tr>
</tbody>
</table>

• CMPAK-4068-6K & CMPAK-5068-6K FSC vs SSC
  Dot Plot from a BD Bioscience Fortessa X-20

MultiCASE Assay Design

Step One:
Coat Magnetic Beads

Step Two:
Wash & add sample / protein standards

Step Three:
Wash & add biotin-conjugated detector antibody

Step Four:
Wash & add streptavidin-PE-Cy5 or APC

Step Five:
Analyte of interest ready for detection by flow cytometry