Polybead® Hollow Microspheres

Catalog Numbers: 23567, 23568, 23569

DESCRIPTION

The biomedical advantages of a polystyrene surface are combined with a low effective density in this class of microspheres. Polybead® Hollow Microspheres are spherical styrene / acrylic beads supplied in suspension. A relatively dense shell of a polystyrene-based copolymer is formed around a void in the middle of the particle. Sphere voids are water-filled in the as-supplied 5% solids (w/v) aqueous suspension, and the water-filled particle will have an effective density near 1.00 g/cm³. Water is lost from the void upon drying, as the particles are slightly porous. This results in a hollow particle with a shell approximately 0.10µm thick. Surfactants on the surface of the spheres help stabilize the particles.

CHARACTERISTICS

Composition: Styrene / acrylic
Nominal Mean Diameter: 0.40µm, 0.55µm, or 1.0µm
Effective Density: ~1.00 g/cm³

STORAGE

Store at 4˚C. Freezing may result in irreversible aggregation and loss of binding activity.

This product is for research use only and is not intended for use in humans or for in vitro diagnostic use.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Description</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>23567-10</td>
<td>Polybead® Hollow Microspheres, 0.40µm</td>
<td>10ml</td>
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<tr>
<td>23568-10</td>
<td>Polybead® Hollow Microspheres, 0.55µm</td>
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<tr>
<td>23569-10</td>
<td>Polybead® Hollow Microspheres, 1.00µm</td>
<td>10ml</td>
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</tbody>
</table>

TO ORDER

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In The U.S. Fax: (1800) 343-3291 • (215) 343-0214
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