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TECHNICAL DATA SHEET 784

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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

Cat. #	Description	Size
23567-10	Polybead [®] Hollow Microspheres, 0.40µm	10ml
23568-10	Polybead [®] Hollow Microspheres, 0.55µm	10ml
23569-10	Polybead [®] Hollow Microspheres, 1.00µm	10ml

TO ORDER

In The U.S. Call: 1(800) 523-2575 • (215) 343-6484
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