

TECHNICAL DATA SHEET 1001

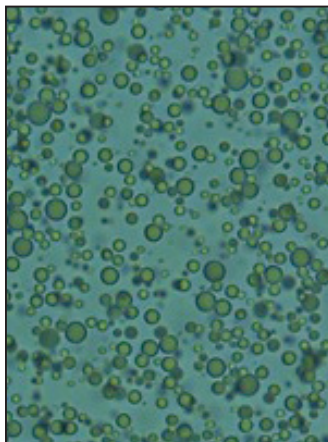
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Polybead® Poly(methyl methacrylate) Microspheres

Catalog Numbers: 12083, 19130, 23570, 26305

DESCRIPTION

The Polybead® Poly(methyl methacrylate) or PMMA Microspheres are solid, non-porous spheres. PMMA is less hydrophobic than polystyrene and should show reduced nonspecific protein and peptide binding. The density of PMMA (i.e. $\sim 1.19 \text{ g/cm}^3$) is considerably higher than that of polystyrene beads, which makes them easier to concentrate via centrifugation. PMMA bead suspensions do contain surfactant as well as surface carboxyl groups at higher densities than the standard Polybead® Carboxylate polystyrene microspheres.



Polybead PMMA Microspheres – Broad Distribution (Cat. #19130)

Polybead® PMMA Microspheres with Anionic Surfactant (Cat. #23570):

Diameter range: 0.08 – 0.09 μm
Concentration: $\sim 5\%$ solids
Density: $\sim 1.19 \text{ g/cm}^3$
Surface functional groups: Carboxylate, methyl ester

STORAGE

Store suspensions at 4°C. Do not permit to freeze. Dry microspheres may be stored at room temperature.

These products are for research use only and are not intended for use in humans or for *in vitro* diagnostic use.

CHARACTERISTICS

Polybead® PMMA Microspheres – Monodisperse (Cat. #12083):

Diameter: 0.30 μm
Concentration: $\sim 2.5\%$ solids
Density: $\sim 1.19 \text{ g/cm}^3$
Surface functional groups: Carboxylate, methyl ester

Polybead® PMMA Microspheres – Broad Distribution (Cat. #19130, 26305):

Diameter range: 1-10 μm
Concentration: $\sim 5\%$ solids, or 100% (dry)
Density: $\sim 1.19 \text{ g/cm}^3$
Surface functional groups: Carboxylate, methyl ester

ORDERING INFORMATION

Cat. #	Description	Sizes
12083	Polybead® PMMA Microspheres - Monodisperse, 0.30 μm	10ml
19130	Polybead® PMMA Microspheres - Broad Distribution	10ml
26305	Polybead® PMMA Microspheres - Broad Distribution (Dry)	500mg
23570	Polybead® PMMA Microspheres with Anionic Surfactant	10ml

TO ORDER

In The U.S. Call: 1(800) 523-2575 • (215) 343-6484
In The U.S. Fax: 1(800) 343-3291 • (215) 343-0214

In Germany Call: +49) 06201-845200
In Germany Fax: +49) 06201-8452020

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