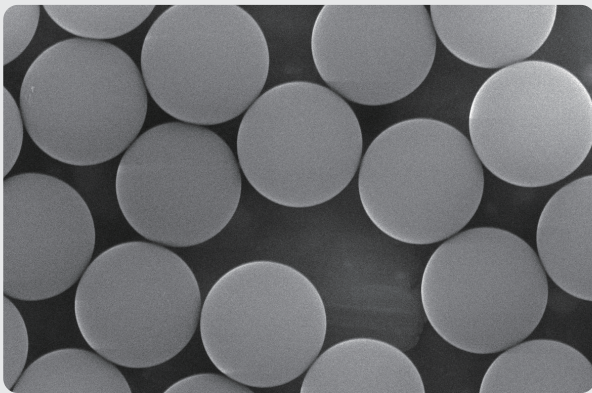


Latex Microspheres

For Immunoturbidimetric



VDO Biotech's latex microspheres are made of polystyrene. Through our proprietary surface coating process, different functional groups are added to the microspheres in controlled amounts. We provide microspheres with customized particle sizes to meet customers' specific needs for sensitivity and linear range. This series of latex microspheres are widely used for different applications, such as particle enhanced immunoturbidimetry (PET), latex agglutination test, and microsphere capture enzyme-linked immunosorbent assay, etc.



Features

Sufficient surface functional groups Efficiently couple with sufficient amount of target protein

Uniform diameter, stable and controllable surface functional groups High reproducibility

Large scale production capacity, up to 100 L/batch, batch-to-batch consistency Scalable and stable production

Customized particle sizes and surface functional groups Satisfy customers' specific product development needs



Technical Parameters

Material:	Polystyrene polymer
Density:	1.05g/cm ³
Additive:	Contains trace amount of surfactant
Particle Refractive Index:	1.59 (589nm wavelength, 25°C)
Uniformity:	CV<5%
Particle Size:	80nm ~ 400nm
Dispersion Medium:	DI water
Storage Condition:	Store at 2-25°C; do not freeze

Ordering Information

Carboxyl-coated Latex Microspheres

Cat. No.	Particle Size	Color	Surface Groups	Solids	Size
PS0080CHA	80nm	White	COOH	10.0%	10ml, 100ml, 1L
PS0080CLA	80nm	White	COOH	10.0%	10ml, 100ml, 1L
PS0100CHA	100nm	White	COOH	10.0%	10ml, 100ml, 1L
PS0100CLA	100nm	White	COOH	10.0%	10ml, 100ml, 1L
PS0120CHA	120nm	White	COOH	10.0%	10ml, 100ml, 1L
PS0120CLA	120nm	White	COOH	10.0%	10ml, 100ml, 1L
PS0150CHA	150nm	White	COOH	10.0%	10ml, 100ml, 1L
PS0150CLA	150nm	White	COOH	10.0%	10ml, 100ml, 1L
PS0180CHA	180nm	White	COOH	10.0%	10ml, 100ml, 1L
PS0180CLA	180nm	White	COOH	10.0%	10ml, 100ml, 1L
PS0200CHA	200nm	White	COOH	10.0%	10ml, 100ml, 1L
PS0200CLA	200nm	White	COOH	10.0%	10ml, 100ml, 1L
PS0300CHA	300nm	White	COOH	10.0%	10ml, 100ml, 1L
PS0300CLA	300nm	White	COOH	10.0%	10ml, 100ml, 1L
PS0400CHA	400nm	White	COOH	10.0%	10ml, 100ml, 1L
PS0400CLA	400nm	White	COOH	10.0%	10ml, 100ml, 1L

Microspheres with other functional groups and particle sizes can be customized upon request.



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