

Latex Particles

Basic information

Latex particles are aqueous suspensions of polymer particles. The solid content is as follows:

- for polystyrene (PS): 10 %
- for carboxylate modified polystyrene (CM): 10 %
- for stained CM and PS: 2.5 %
- for magnetic CM: 5 %
- for magnetic Oligo(dT) and magnetic Streptavidin (SA): 1 %

The microparticles are sold by diameter; each lot has a unique and very uniform diameter. The catalogue description only mentions the range. The exact size is shown on the product label. Sera-Mag™ magnetic streptavidin particles are available in three different levels (low, medium and high streptavidin content) of biotin-binding capacity (expressed in pmole biotin per mg of particles). The biotin-binding capacities range from approx. 2,000 to approx. 4,500 pmole/mg.

Sera-Mag™ magnetic Oligo (dT) particles have a (dA)₃₀ binding capacity of more than 200 pmole/mg.

Applications

- Calibration standards
- Filter challenges
- Agglutination assays
- Phagocytosis studies
- Flow cytometry standards
- Laser doppler velocimetry
- Light scattering studies

Caution: Do not freeze the particles as this will lead to irreversible clotting.

Type	Diameter	Cat.No.	Quantity	Cat.No.	Quantity
Standard Dow Latex	0.05 -0.10 µm	44405.01	2.5 ml	44405.02	15 ml
Standard Dow Latex	0.10-0.15 µm	44410.01	2.5 ml	44410.02	15 ml
Standard Dow Latex	0.15-0.2 µm	44415.01	2.5 ml	44415.02	15 ml
Standard Dow Latex	0.20-0.25 µm	44420.01	2.5 ml	44420.02	15 ml
Standard Dow Latex	0.25-0.30 µm	44425.01	2.5 ml	44425.02	15 ml
Standard Dow Latex	0.3-0.4 µm	44430.01	2.5 ml	44430.02	15 ml
Standard Dow Latex	0.4-0.5 µm	44435.01	2.5 ml	44435.02	15 ml
Standard Dow Latex	0.5-0.6 µm	44440.01	2.5 ml	44440.02	15 ml
Standard Dow Latex	0.6-0.7 µm	44445.01	2.5 ml	44445.02	15 ml
Standard Dow Latex	0.7-0.8 µm	44450.01	2.5 ml	44450.02	15 ml
Standard Dow Latex	0.8-0.9 µm	44455.01	2.5 ml	44455.02	15 ml
Standard Dow Latex	1-2 µm	44465.01	2.5 ml	44465.02	15 ml

Type	Diameter	Cat.No.	Quantity	Cat.No.	Quantity
Carboxylate-Modified (CM)	0.2 µm	44422.01	2.5 ml	44422.02	15 ml
Carboxylate-Modified (CM)	0.4 µm	44432.01	2.5 ml	44432.02	15 ml
Carboxylate-Modified (CM)	0.8 µm	44452.01	2.5 ml	44452.02	15 ml
Carboxylate-Modified (CM)	1.0 µm	44462.01	2.5 ml	44462.02	15 ml
Dyed Carboxylate-Modified (CM), blue particles	0.3 µm	44492.01	2.5 ml	44492.02	15 ml
Dyed Carboxylate-Modified (CM), blue particles	0.8 µm	44493.01	2.5 ml	44493.02	15 ml
Dyed Carboxylate-Modified (CM), black particles	0.3 µm	44494.01	2.5 ml	44494.02	15 ml
Dyed Carboxylate-Modified (CM), red particles	0.3 µm	4496.01	2.5 ml	44496.02	15 ml
SERA-MAG™ Magnetic Particles, high acid content	1.0 µm	44530.01	2.5 ml	44530.02	15 ml
SERA-MAG™ Magnetic Particles Oligo(dT) 14 Particles	1.0 µm	44538.01	1 ml		
SERA-MAG™ Magnetic Streptavidin Particles:					
MG-SA-2 (low)	1.0 µm	44532.01	1 ml		
MG-SA-3 (medium)	1.0 µm	44533.01	1 ml		
MG-SA-4 (high)	1.0 µm	44534.01	1 ml		