

SPHERO™ Blue Particles

- Excellent for latex agglutination tests
- Enhances the visibility of agglutination
- Available with functional groups for covalent binding of antigens or antibodies.

The SPHERO™ Blue Particles are prepared by polymerizing oil-soluble dye in styrene. They are free of solvent commonly found in particles stained with a solution of dye in organic solvent. These particles are intensely colored to enhance the visual detection in assays such as latex agglutination (Figures 14 & 15), dipstick and membrane based assays.

SPHERO™ Polystyrene Blue Particles

Particle Type and Surface	Size, μm	% w/v	Catalog No.	Unit
Blue Polystyrene	0.4-0.6	5.0	PPB-05-10	10 mL
Blue Polystyrene	0.4-0.6	5.0	PPB-05-100	100 mL
Blue Polystyrene	6.0-8.0	1.0	PPB-60-5	5 mL

SPHERO™ Carboxyl Blue Particles

Particle Type and Surface	Size, μm	% w/v	Catalog No.	Unit
Carboxyl Blue	0.03-0.06	5.0	CPB-005-10	10 mL
Carboxyl Blue	0.1-0.19	5.0	CPB-01-10	10 mL
Carboxyl Blue	0.1-0.19	5.0	CPB-01-100	100 mL
Carboxyl Blue	0.2-0.29	5.0	CPB-02-10	10 mL
Carboxyl Blue	0.2-0.29	5.0	CPB-02-100	100 mL
Carboxyl Blue	0.3-0.39	5.0	CPB-03-10	10 mL
Carboxyl Blue	0.3-0.39	5.0	CPB-03-100	100 mL
Carboxyl Blue	0.4-0.6	5.0	CPB-05-10	10 mL
Carboxyl Blue	0.4-0.6	5.0	CPB-05-100	100 mL

Figure 12 SEM photo of Cat. No. CPB-05-10, 0.41 μm , 5000X.

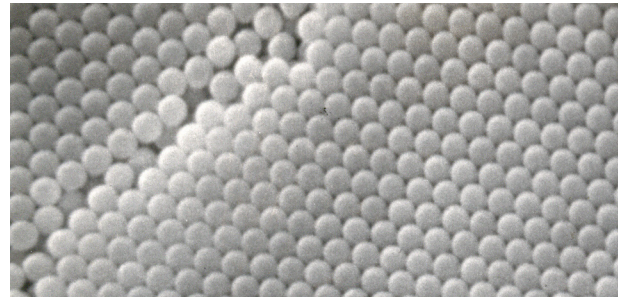


Figure 14 Two forms of simple latex agglutination: (1) The antibody is coated to the particles and reacts with the antigen in the test sample. (2) The antigen is coated to the particles and reacts with the antibody in the test sample.

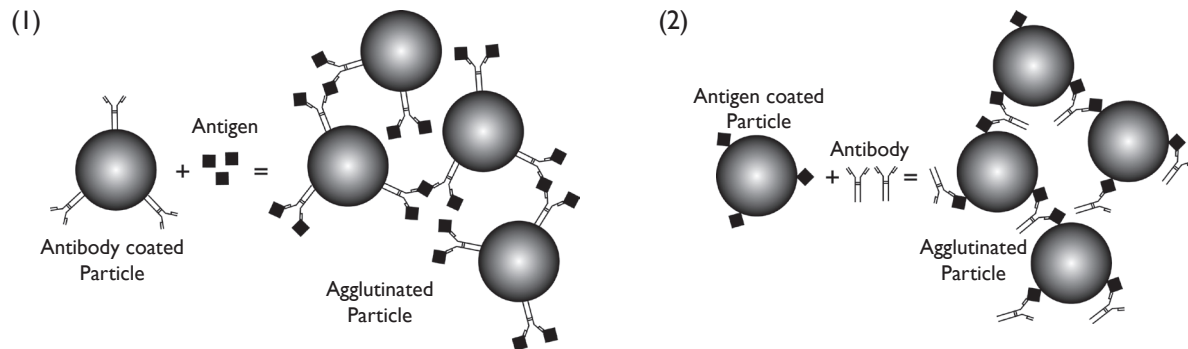


Figure 15 Combination of the two methods above to enhance clumping.

