

## TECHNICAL DATA SHEET 808

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# Polybead<sup>®</sup> Dyed Microspheres

### DESCRIPTION

Polysciences is the leading supplier of visibly dyed polystyrene microspheres to the latex diagnostic marketplace. Diagnostic manufacturers rely on our precisely controlled particle synthesis to ensure reproducibility in both assay design and performance. These microspheres are packaged as 2.5% solids (w/v) aqueous suspension and are available in a wide variety of nominal mean diameters and colors. Available colors include blue, red, violet, yellow, green, and black. Note that blue dyed microspheres also have amine groups and can be used for covalent coupling procedures using glutaraldehyde. Finally, Polybead<sup>®</sup> Dyed Microspheres are also available with functionalized carboxyl groups.



For those who are new to Polybead<sup>®</sup> dyed microspheres or simply prefer the convenience of a kit, we also offer three sampler kits to get you started.

### CHARACTERISTICS

Nominal Mean Diameter 0.20-10.0 $\mu$ m  
Particle Concentration 2.5% solids (w/v) aqueous suspension

### RELATED TECHNICAL DATA SHEETS

1. TDS 238 - *Polystyrene Microspheres: Frequently Asked Questions*
2. TDS 238C - *Covalent Coupling of Proteins to Carboxylated Polystyrene Microparticles by the "Carbodiimide" Method*
3. TDS 238D - *Covalent Coupling of Proteins to Amino and Blue Dyed Polystyrene Microparticles by the "Glutaraldehyde" Method*
4. TDS 238E - *Protocol for Adsorbing Proteins on Polystyrene Microparticles*
5. TDS 238G - *Protocol for Glutaraldehyde Kit (for use with Amino and Blue Dyed Beads)*

### STORAGE AND HANDLING

**Storage** Store at 4°C. Freezing may result in irreversible aggregation and loss of binding activity.

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

### ORDERING INFORMATION

Cat. #	Description	Size
15706-15	Polybead <sup>®</sup> Blue Dyed Microspheres, 0.20 $\mu$ m	15ml
15709-15	Polybead <sup>®</sup> Blue Dyed Microspheres, 0.50 $\mu$ m	15ml
15712-15	Polybead <sup>®</sup> Blue Dyed Microspheres, 1.00 $\mu$ m	15ml
17138-15	Polybead <sup>®</sup> Blue Dyed Microspheres, 3.00 $\mu$ m	15ml
15715-5	Polybead <sup>®</sup> Blue Dyed Microspheres, 6.00 $\mu$ m	5ml
18138-2	Polybead <sup>®</sup> Blue Dyed Microspheres, 10.0 $\mu$ m	2ml
15705-15	Polybead <sup>®</sup> Red Dyed Microspheres, 0.20 $\mu$ m	15ml
15708-15	Polybead <sup>®</sup> Red Dyed Microspheres, 0.50 $\mu$ m	15ml
15711-15	Polybead <sup>®</sup> Red Dyed Microspheres, 1.00 $\mu$ m	15ml
17137-15	Polybead <sup>®</sup> Red Dyed Microspheres, 3.00 $\mu$ m	15ml
15714-5	Polybead <sup>®</sup> Red Dyed Microspheres, 6.00 $\mu$ m	5ml
24064-15	Polybead <sup>®</sup> Violet Dyed Microspheres, 0.50 $\mu$ m	15ml
24065-15	Polybead <sup>®</sup> Violet Dyed Microspheres, 0.80 $\mu$ m	15ml
18134-15	Polybead <sup>®</sup> Violet Dyed Microspheres, 1.00 $\mu$ m	15ml
18135-15	Polybead <sup>®</sup> Violet Dyed Microspheres, 3.00 $\mu$ m	15ml
18136-5	Polybead <sup>®</sup> Violet Dyed Microspheres, 6.00 $\mu$ m	5ml
18139-2	Polybead <sup>®</sup> Violet Dyed Microspheres, 10.0 $\mu$ m	2ml
15707-15	Polybead <sup>®</sup> Yellow Dyed Microspheres, 0.20 $\mu$ m	15ml
15710-15	Polybead <sup>®</sup> Yellow Dyed Microspheres, 0.50 $\mu$ m	15ml
15713-15	Polybead <sup>®</sup> Yellow Dyed Microspheres, 1.00 $\mu$ m	15ml
17139-15	Polybead <sup>®</sup> Yellow Dyed Microspheres, 3.00 $\mu$ m	15ml
15716-5	Polybead <sup>®</sup> Yellow Dyed Microspheres, 6.00 $\mu$ m	5ml
18337-2	Polybead <sup>®</sup> Yellow Dyed Microspheres, 10.0 $\mu$ m	2ml
24290-15	Polybead <sup>®</sup> Black Dyed Microspheres, 0.20 $\mu$ m	15ml
24291-15	Polybead <sup>®</sup> Black Dyed Microspheres, 0.50 $\mu$ m	15ml
24287-15	Polybead <sup>®</sup> Black Dyed Microspheres, 1.00 $\mu$ m	15ml
24292-15	Polybead <sup>®</sup> Black Dyed Microspheres, 3.00 $\mu$ m	15ml
24293-5	Polybead <sup>®</sup> Black Dyed Microspheres, 6.00 $\mu$ m	5ml
24294-2	Polybead <sup>®</sup> Black Dyed Microspheres, 10.0 $\mu$ m	2ml
13371-15	Polybead <sup>®</sup> Carboxylate Green Dyed Microspheres, 0.20 $\mu$ m	15ml
13370-15	Polybead <sup>®</sup> Carboxylate Green Dyed Microspheres, 1.00 $\mu$ m	15ml
13369-15	Polybead <sup>®</sup> Carboxylate Orange Dyed Microspheres, 0.20 $\mu$ m	15ml
13368-15	Polybead <sup>®</sup> Carboxylate Orange Dyed Microspheres, 1.00 $\mu$ m	15ml

**ORDERING INFORMATION, cont.**

Cat. #	Description	Size
11975-15	Polybead® Carboxylate Blue Dyed Microspheres, 0.30µm	15ml
19816-15	Polybead® Carboxylate Blue Dyed Microspheres, 0.50µm	15ml
19120-15	Polybead® Carboxylate Blue Dyed Microspheres, 1.00µm	15ml
19123-5	Polybead® Carboxylate Blue Dyed Microspheres, 3.00µm	5ml
19126-5	Polybead® Carboxylate Blue Dyed Microspheres, 6.00µm	5ml
24063-15	Polybead® Carboxylate Red Dyed Microspheres, 0.30µm	15ml
19815-15	Polybead® Carboxylate Red Dyed Microspheres, 0.50µm	15ml
19119-15	Polybead® Carboxylate Red Dyed Microspheres, 1.00µm	15ml
19122-5	Polybead® Carboxylate Red Dyed Microspheres, 3.00µm	5ml
19125-5	Polybead® Carboxylate Red Dyed Microspheres, 6.00µm	5ml
19817-15	Polybead® Carboxylate Yellow Dyed Microspheres, 0.50µm	15ml
19121-15	Polybead® Y Carboxylate Yellow Dyed Microspheres, 1.00µm	15ml
19124-5	Polybead® Carboxylate Yellow Dyed Microspheres, 3.00µm	5ml
19127-5	Polybead® Carboxylate Yellow Dyed Microspheres, 6.00µm	5ml
19821-1	Polybead® Blue Dyed Microsphere Sampler Kit	1 kit
16906-1	Polybead® Dyed Microsphere Sampler Kit I	1 kit
18336-1	Polybead® Dyed Microsphere Sampler Kit II	1 kit

**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  
 In Asia Call: (886) 2 8712 0600  
 In Asia Fax: (886) 2 8712 2677

Order online anytime at [www.polysciences.com](http://www.polysciences.com)

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