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BEADS ● ABOVE THE REST™

Description

Visibly dyed microspheres are frequently used in lateral flow tests and “latex” agglutination tests. They are available in a range of intense colors that are suitable for visual or microscopic identification of positive test results.

We offer polystyrene and carboxyl-functionalized microspheres impregnated with vibrant dyes for optimal visualization. Internal dyeing leaves surfaces available for coating with biomolecules, and both non-functionalized and carboxyl-functionalized surfaces are available to support adsorption and covalent immobilization strategies. Dyed non-functionalized microspheres are suitable for coating with antibody or other large proteins via adsorption. Biomolecules may be covalently immobilized to carboxyl-functionalized microspheres. Our visibly dyed microspheres are supplied as 5% solids suspensions (50mg/mL).

Characteristics

Mean Diameter: Products in the range of ~50nm - 5µm are available, with a concentration of products in the range of 0.1-0.4µm for lateral flow and latex agglutination test applications.

Particle Concentration: 5% solids (50 mg/mL)

Notes

The following color palette is provided to serve as a general reference only. Actual product hue may vary due to differences in microsphere composition and size, as well as the concentration of the suspension.

Raspberry Purple
Crimson Red
Tangerine Orange
Basic Black
Slate Blue
Sapphire Blue
Cabo Blue
Shamrock Green

The final character of the catalog code (*) denotes color: V=Purple, R=Red, O=Orange, G=Green, K=Black, B=Blue, F=Fluorescent, N=None.

Product availability varies; please refer to our website (www.bangslabs.com) or contact our Customer Service Department (info@bangslabs.com) for details. If we do not have a suitable product available ‘off-the-shelf,’ colors and intensities can be created/matched to meet your specific requirements.

Related Technical Information

1. TechNote 103 - *Fluorescent/Dyed Microspheres*
2. TechNote 204 - *Adsorption to Microspheres*
3. TechNote 205 - *Covalent Coupling*
4. TechNote 301 - *Immunological Applications*
5. TechNote 303 - *Lateral Flow Tests*



Storage and Stability

Store at 2-8°C. Freezing, drying, or centrifuging particles may result in irreversible aggregation and loss of binding activity. Stable for 12 months from the date of purchase, provided the product is handled in accordance with the manufacturer's recommendations.

Safety

These particle suspensions contain sodium azide. Sodium azide may react with lead and copper plumbing to form explosive metal azides. Upon disposal of material, flush with a large volume of water to prevent azide accumulation. Please consult the Material Safety Data Sheets for more information.

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

Ordering Information

Catalog Code	Description	Sizes
DS02*	Dyed Polymer, ≤0.49µm	0.5g, 1.5g, or 5.0g
DS03*	Dyed Polymer, 0.50-0.99µm	0.5g, 1.5g, or 5.0g
DS04*	Dyed Polymer, 1.00-1.99µm	0.5g, 1.5g, or 5.0g
DS05*	Dyed Polymer, 2.00-4.99µm	0.5g, 1.5g, or 5.0g
DS06*	Dyed Polymer, 5.00-9.99µm	0.5g, 1.5g, or 5.0g
DS07*	Dyed Polymer, ≥10.00µm	0.5g, 1.5g, or 5.0g
DC02*	Dyed Carboxyl Polymer, ≤0.49µm	0.5g, 1.5g, or 5.0g
DC03*	Dyed Carboxyl Polymer, 0.50-0.99µm	0.5g, 1.5g, or 5.0g
DC04*	Dyed Carboxyl Polymer, 1.00-1.99µm	0.5g, 1.5g, or 5.0g
DC05*	Dyed Carboxyl Polymer, 2.00-4.99µm	0.5g, 1.5g, or 5.0g
DC06*	Dyed Carboxyl Polymer, 5.00-9.99µm	0.5g, 1.5g, or 5.0g
DC07*	Dyed Carboxyl Polymer, ≥10.00µm	0.5g, 1.5g, or 5.0g

* The final character of the catalog code (*) denotes color: V=Purple, R=Red, O=Orange, G=Green, K=Black, B=Blue, F= Fluorescent, N=None.

Order online anytime at www.bangslabs.com.