



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 diameter 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. 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

This particle suspension contains 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 Safety Data Sheet for more information.

This product is for research use only and is not intended for use in humans or for *in vitro* diagnostic use.

ORDERING INFORMATION

Cat. Number Dyed Microspheres

DSCR001	0.05µm Crimson Red
DSCB002	0.20µm Cabo Blue
DSCR002	0.20µm Crimson Red
DSSG002	0.20µm Shamrock Green
DSCR003	0.30µm Crimson Red
DSCR004	0.40µm Crimson Red
DSCB005	0.80µm Cabo Blue
DSCR005	0.80µm Crimson Red
DSSG005	0.80µm Shamrock Green
DSBK005	0.80µm Basic Black
DSCR006	5.0µm Crimson Red

Cat. Number Carboxyl Dyed Microspheres

DCCB001	0.20µm Cabo Blue
DCCR001	0.20µm Crimson Red
DCSG001	0.20µm Shamrock Green
DCBK001	0.20µm Basic Black
DCCB002	0.50µm Cabo Blue
DCCR002	0.50µm Crimson Red
DCCB004	1.00µm Cabo Blue
DCCR004	1.00µm Crimson Red
DCTA004	1.00µm Tangerine Orange
DCSG004	1.00µm Shamrock Green
DCCB005	5.00µm Cabo Blue
DCCR005	5.00µm Crimson Red
DCBK005	5.00µm Basic Black

Standard Sizes available 0.5g, 1.5g, or 5.0g Order online anytime at www.bangslabs.com.