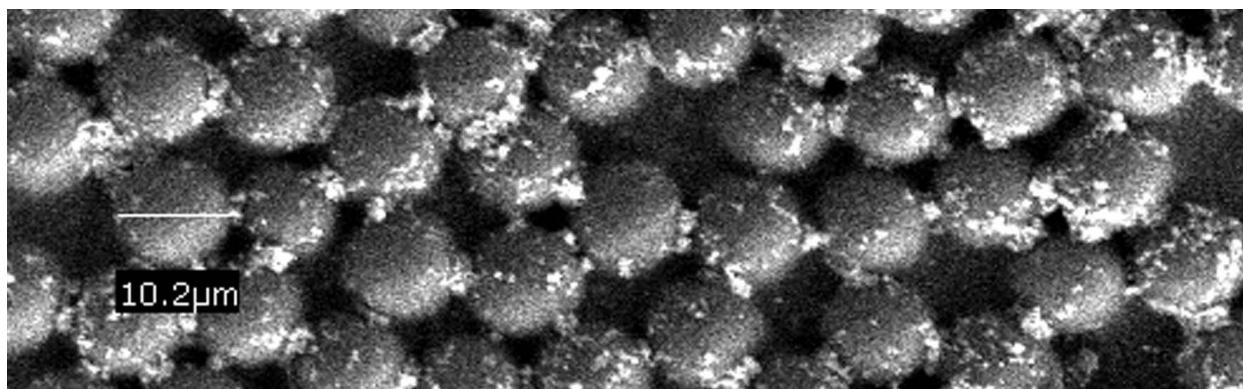


Streptavidin Coated Microspheres

Streptavidin-Coated Microspheres for affinity binding applications.



Bangs' 10 μ m streptavidin-coated microspheres with biotinylated oligonucleotides attached

The streptavidin system has been utilized extensively for affinity binding applications. Streptavidin binds biotin rapidly and with very high affinity, and the bound complex will tolerate a range of temperature and pH conditions. Use of streptavidin-coated microspheres allows investigators to enjoy these benefits in addition to the increased surface area and flexibility that beads confer.

Ease of Use

Our streptavidin-coated microspheres can simplify and speed up the bead coating process to a considerable extent. While covalent coupling procedures result in very stable reagents, they require a certain amount of optimization. Biotinylated ligands are generally attached to streptavidin-coated beads in a simple incubation step, allowing you to develop a stable reagent with little or no optimization of the binding reaction. Sample binding protocols are provided in our TechNotes and Product Data Sheets, which you may download from our website.

Unlimited Possibilities

The streptavidin / biotin system has been used extensively for the immobilization of oligonucleotide, peptide, antibody, and other conjugates. Biotinylated ligands and biotinylation kits are readily available, making the system available for virtually any type of ligand.

Our streptavidin-coated beads have been utilized for DNA sequencing, PCR product cleanup, cell separation, DNA single molecule imaging studies, and in a variety of diagnostic applications and formats (rapid tests, flow cytometric / multiplexed tests [QuantumPlex™], turbidimetric assays, etc.). We offer a variety of bead sizes, bead compositions (polymeric, magnetic, and silica), and dyes (colored or fluorescent). Also ask us about our biotin and protein A coated microspheres.

With such an expansive range of streptavidin-coated microspheres, we probably have a product that is suitable for your application. And if we don't, we would be glad to discuss with you our capabilities for customization.

STREPTAVIDIN-COATED MAGNETIC MICROSPHERES

Cat. #	Product Description
UMC0100	3µm COMPEL
UMC0101	6µm COMPEL
UMC0102	8µm COMPEL
PMS1N	ProMag™ 1 Series
PMS3N	ProMag™ 3 Series
PMS3HP	ProMag™ HP 3 Series
CMC0100	0.2-0.5µm Classical magnetic
CME0100	0.7-1.2µm Encapsulated magnetic

STREPTAVIDIN-COATED SILICA MICROSPHERES

Cat. #	Product Description
CS01000	0.5µm Silica
CS01001	1.0µm Silica
CS01002	5.00µm Silica

STREPTAVIDIN-COATED POLMER MICROSPHERES

Cat. #	Product Description
CP01000	0.10µm
CP01001	0.20µm
CP01003	0.50µm
CP01004	1.00µm
CP01005	3.0µm
CP01006	5.00µm
CP01007	10.00µm
CP01008	15.0µm

STREPTAVIDIN-COATED DYED POLMER MICROSPHERES

Cat. #	Product Description
CPCR001	0.20µm Crimson Red
CPCB001	0.20µm Cabo Blue

STREPTAVIDIN-COATED FLUORESCENT POLMER MICROSPHERES

Cat. #	Product Description
CPDG001	0.20µm Dragon Green
CPDG002	0.40µm Dragon Green
CPDG003	0.50µm Dragon Green
CPDG004	1.00µm Dragon Green
CPFR002	0.40µm Flash Red
CPFR004	1.00µm Flash Red




Bangs Laboratories manufactures polymeric, silica, and magnetic microsphere products setting the standards for diagnostic, research, and flow cytometry applications. No matter the project, we have a product that serves or we'll work to custom-design a solution to fit. And that's not the half of it.


We also stand behind our products. Regardless of the size of your question or the size of your company, we offer tech support, absolutely free.

Sound interesting? 

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