ProActive® Microspheres

Streptavidin-Coated Microspheres

Bangs Laboratories, Inc.

BEADS ● ABOVE THE REST

ProActive® Streptavidin-Coated Microspheres for affinity binding applications.

STREPTAVIDIN-BIOTIN BINDING SYSTEM

Benefits

The streptavidin/biotin 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 offer.

BINDING PROTOCOLS

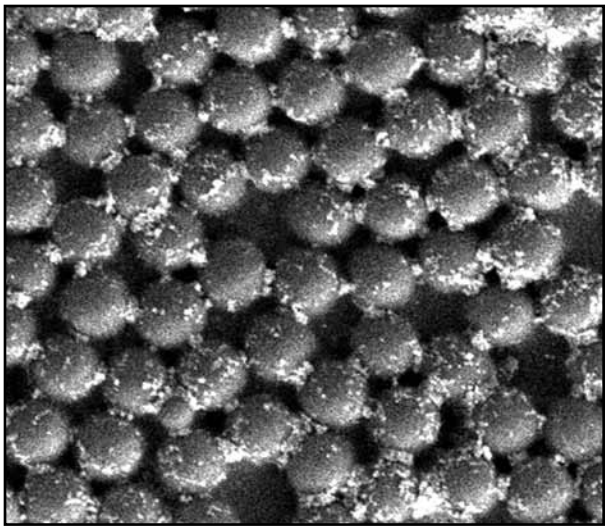
Ease of Use

Our streptavidin-coated microspheres can greatly simplify and speed up the bead coating process. 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.

APPLICATIONS

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.



Bangs' 10µm streptavidin-coated microspheres with biotinylated oligonucleotides attached

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).

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.

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PROACTIVE® MICROSPHERES

Cat. #	Product Description
CP01N	Streptavidin-coated polystyrene microspheres
CP01*	Streptavidin-coated dyed polystyrene microspheres (* dye color or fluorescence)
CM01N	Streptavidin-coated magnetic microspheres
CS01N	Streptavidin-coated silica microspheres

Bangs Laboratories, Inc.

Bangs Laboratories supplies a large variety of uniform polymeric and silica 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? Give us a call.

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