

PolyLink Protein Coupling Kit

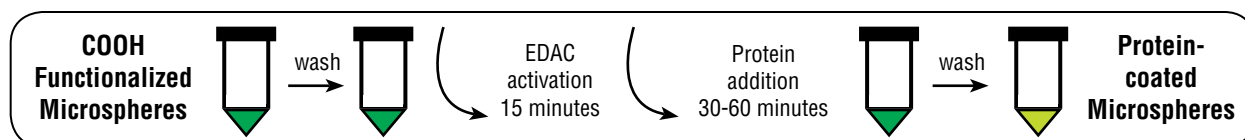
for COOH Microspheres 1µm or larger



BEADS • ABOVE THE REST



PolyLink Protein Coupling Kit for covalent attachment of proteins to COOH microspheres.



POLYLINK PROTEIN COUPLING KIT

Making It Easier to Use Our Beads

Bangs Laboratories offers the PolyLink Protein Coupling Kit for covalent attachment of proteins to carboxyl (COOH) modified microspheres. The kit has been optimized for use with polymeric microspheres 1µm or larger. The contents of the kit are sufficient for 50 coupling reactions using 12.5mg microspheres and 200-500µg of protein per reaction.

Water Soluble Chemistry

By activating the carboxyl groups with water-soluble carbodiimide (EDAC), an active ester is created that is reactive toward primary amines on the protein of interest.

KIT COMPONENTS

A step-by-step procedure is provided in our Technical Data Sheet 644, *PolyLink Protein Coupling Kit for COOH Microspheres*, (which you may download from our website). Optimizing the protein to microsphere ratio and incubation times for your particular protein is recommended.

The kit contains*:

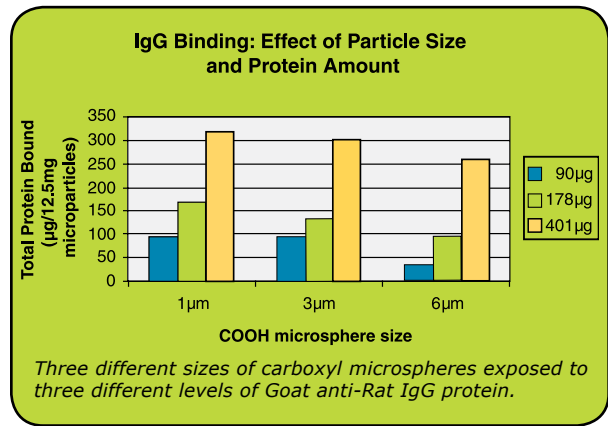
- PolyLink Coupling Buffer (55mL)
- PolyLink Wash/Storage Buffer (45mL)
- PolyLink EDAC (Carbodiimide) (750mg)

* Reagents are sufficient for 50 coupling reactions. Microspheres sold separately.

Everything you need has been combined in one easy-to-use kit!

EXPECTED RESULTS

The graphic to the right shows the effect of particle size on protein binding. Three different sizes of carboxyl-modified microspheres were exposed to three different levels of Goat anti-Rat IgG protein. The smaller particles present more surface area per unit of mass and therefore bind more total protein.



POLYLINK PROTEIN COUPLING KIT

Cat. # Product Description

PL01N PolyLink Protein Coupling Kit for COOH 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.



317.570.7020

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