



SERION Coupling Reagents and Magnetic Beads

Every Biomolecule is Different!

Many applications require stable immobilization of biomolecules on solid supports, e.g. microspheres. However, standard covalent coupling methods are often laborious and fail in certain cases. SERION Immunologics now offers ready-to-use alternatives to standard coupling methods.

SERION coupling reagents are designed to activate charged surfaces, e.g. negative carboxylate or positive amine surfaces, within ≤ 20 min at room temperature. The reagents are available alone or as screening kits allowing you to tailor your surface to match your biomolecule. They can be used to activate commercially available microspheres or our new **MagSERION carboxy and amine beads**.

SERION beads provide a large surface area for biomolecule coupling and their superparamagnetic properties allow a fast magnetic separation. They can be activated using standard coupling methods for carboxy or amine surfaces or **SERION coupling reagents**. Combined with automated bead handling devices for magnetic particles, **SERION coupling kits** facilitate versatile and fast screening for the most efficient coupling reagent to bind your target molecule.

Benefits

- ✓ Individual surface design
- ✓ Ready to use
- ✓ Surface activation in ≤ 20 min
- ✓ Fast magnetic separation
- ✓ Bead-based automation

Products

SERION beads	Functionalization	Size range	Concentration	Packaging	Order No.
MagSERION carboxy beads	Carboxy groups	2.40 μm - 3.70 μm	100 mg/mL	100 mg	031MP-C
MagSERION amine beads	Amine groups	2.40 μm - 3.70 μm	100 mg/mL	100 mg	031MPSS

SERION coupling kits	Description	Order No.
SERION coupling kit N w/o beads	Coupling kit for negative surfaces 7 coupling reagents for negative surfaces, blocking buffer	CKN01
SERION coupling kit N with beads	Coupling kit for negative surfaces 7 coupling reagents for negative surfaces, blocking buffer, MagSERION carboxy beads	CKN02
SERION coupling kit P w/o beads	Coupling kit for positive surfaces 7 coupling reagents for positive surfaces, blocking buffer	CKP01
SERION coupling kit P with beads	Coupling kit for positive surfaces 7 coupling reagents for positive surfaces, blocking buffer, MagSERION amine beads	CKP02

Please contact us for ordering information about individual SERION coupling reagents in bulk quantities.

For inquiries please contact
Stefan Papadileris, International Sales Manager
 Phone +49 931 3045 561 Mobile +49 172 6705 053
 s.papadileris@virion-serion.de

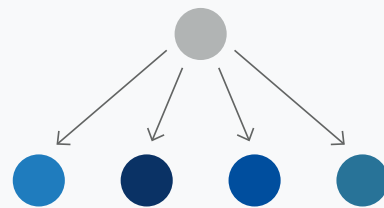
serion\immunologics
 Your Partner in Raw Material Sourcing



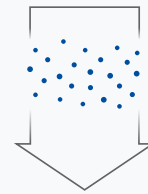
Workflow-Example: Coupling of Magnetic Beads

- 1.1 Wash magnetic beads twice by magnetic separation
- 1.2 Incubate for 10 – 20 min with SERION coupling reagents
- 1.3 Wash twice by magnetic separation
- 2.1 Incubate for 1 h with your biomolecule solution
- 2.2 Wash twice by magnetic separation
- 2.3 Incubate for 30 min with blocking buffer (included in screening kits)
- 2.4 Wash twice by magnetic separation
- 3.1 Re-suspend in your application buffer
- 3.2 Evaluate in your application

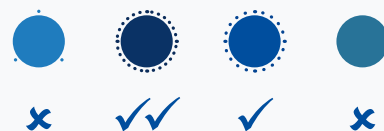
1. Create your set of differently activated surfaces in ≤ 20 min



2. Couple your biomolecule



3. Evaluate in your application



Institut Virion\Serion GmbH

Friedrich-Bergius-Ring 19 97076 Würzburg Germany
Phone +49 931 3045 0 Fax +49 931 3045 100
info@virion-serion.de www.virion-serion.de

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