# Strepamer Magnetic Beads

**Cat. No.:** 6-5500-005  
**Lot No.:** 5500-

**Description**  
Strep-Tactin covalently linked to polysaccharide coated magnetic microspheres.  
For using Strepamer technology, Strepamer Magnetic Beads have to be combined with MHC I-Strep, an antigen-loaded MHC I containing the Strep-tag affinity tag.  
After isolation of T-cells on a Miltenyi Biotec MACS® column, Strepamer Magnetic Beads can be mildly dissociated from the MHC I-Strep using biotin. The monomeric MHC I-Strep then spontaneously dissociates from the T-cell receptor due to its very weak binding. The rapid and complete dissociation of Strepamers from the T-cells assures the fully functional isolated T cells.

**Form**  
Suspension in PBS (8.06 mM Na$_2$HPO$_4$ x 2H$_2$O; 1.47 mM KH$_2$PO$_4$; 137 mM NaCl; pH 7.4)  
Solution is sterile filtered and does not contain any preservative. Please handle under sterile conditions.

**Amount**  
250 µl

**Strep-Tactin content**  
50 µg/ml magnetic bead suspension

**Binding capacity of microspheres**  
1 µg Strep-Tactin immobilized on microspheres binds 650-800 ng of Strep-tag GFP fusion protein (30 kDa)

**Storage**  
4°C, do not freeze

**Shipment**  
Blue ice

Please spin down briefly to collect droplets from the tube caps.

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*For research use only*

Strep-tag® technology for protein purification and detection is covered by US patent 5,506,121, UK patent 2272698 and French patent 93 13 066; the tetracycline promoter based expression system is covered by US patent 5,849,576 and Strep-Tactin® is covered by US patent 6,103,493. Further patent applications, also covering Strepamer technology, are pending world-wide. Purchase of reagents related to these technologies from IBA provides a license for non-profit and in-house research use only. Expression or purification or other use like cell labeling of above mentioned technologies for commercial purposes require a separate license from IBA. A license may be granted by IBA on a case-by-case basis, and is entirely at IBA's discretion. Please contact IBA for further information on licenses for commercial use. Strep-tag®, Strep-Tactin® and Streptamer® are registered trademarks of IBA GmbH.