

Datasheet for S000-18-5

TrueBlot® Streptavidin Magnetic Beads**Overview**

Description:	TrueBlot® Streptavidin Magnetic Beads - S000-18-5
Item No.:	S000-18-5
Size:	5 mL
Applications:	Biochemical Assay

Product Details

Background:	TrueBlot® Magnetic Beads are uniform, non-aggregating, super-paramagnetic beads consisting of a ferric oxide core functionalized with various silane groups. The super-paramagnetic nanoparticles are coupled with a biomolecule, such as Streptavidin, and are specifically designed, tested and quality controlled for magnetic purification of biotin-labeled components using manual or automatic platforms. Streptavidin magnetic beads are stable, pre-blocked beads with high binding capacity that provide rapid and efficient biomolecule purification from complex samples. Bead mean diameter is ~0.5 µm, bead concentration is 5.0 mg/mL, and binding capacity is ≥ 60 µg biotin/mg of beads.
Synonyms:	Magnetic beads, particles, microparticles, paramagnetic nanoparticles, magnets, protein antibody, DNA, SA, S avidin, streptococcus avidin, neutravidin, isolation, purification
Conjugate:	Streptavidin

Target Details

Relevant Links:	S000-18 SDS S000-18 Protocol
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Application Details

Suggested Applications:	Biochemical Assay (Based on references)
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Application Note: TrueBlot® Streptavidin magnetic beads are stored in phosphate buffered saline with detergent. TrueBlot® Streptavidin magnetic beads can be used for immunoprecipitation (IP) of antigens (using biotinylated antibodies) from a wide variety of sources and to Co-immunoprecipitate interaction complexes using biotinylated antibodies. Streptavidin magnetic beads can also be used for protein-protein interaction in pull-down assays using biotinylated "bait" proteins and for isolation of biotin-labeled DNA-protein complexes from cell or tissue extracts. These beads are also applied for capturing single-stranded-biotinylated DNA oligos and for isolation of biotinylated PCR products.

Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IP:	User Optimized
WB:	User Optimized
Other:	DOE: 04/2025

Formulation

Physical State:	Suspension of Magnetic Beads
Concentration:	5.0 mg/mL antibody per cc agarose
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	The Streptavidin Magnetic Beads should be stored in the refrigerator (2-8 °C). The reagent must be allowed to reach room temperature (20-25 °C) before use and may be used until the expiration date. Do not freeze, dry, or centrifuge the beads as they may result in loss of binding activity and aggregation.
Expiration:	Expiration date is one (1) year from date of receipt.

References

- Kady MR et al. Limosilactobacillus reuteri enables oral-to-systemic absorption of iberiotoxin for treatment of collagen-induced arthritis in rats. *Microb Cell Fact.* (2025)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.