

Datasheet for ABIN6809840

TrueBlot® Biotin Magnetic Beads



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Overview

Quantity:	2 mL
Application:	Immunoprecipitation (IP), Western Blotting (WB)

Product Details

Purpose:	TrueBlot® Biotin magnetic beads can be used in immunoassays or molecular diagnostics when avidin or streptavidin is bound to proteins or oligonucleotides.
Brand:	TrueBlot®
Characteristics:	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 Biotin, and are specifically designed, tested and quality controlled for magnetic separation, isolation and purification of avidin and streptavidin-labeled components using manual or automatic platforms. Biotin 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 mg/mL, and binding capacity is ≥ 30 µg streptavidin/mg of beads.

Application Details

Application Notes:	Western Blot : User Optimized ImmunoPrecipitation: User Optimized Other Dilution: User Optimized
Comment:	TrueBlot® Biotin magnetic beads can be used in immunoassays or molecular diagnostics when avidin or streptavidin is bound to proteins or oligonucleotides. Biotin magnetic beads can also be used in nucleic acid isolation, protein purification, and cell separations. Biotin magnetic

Application Details

particles are incubated with the avidin or streptavidin labeled solution and then separated by magnets. After the unbound particulates are washed from the particles, the bound avidin are eluted from the particles using the elution buffer. The particles are then magnetically separated from the eluted solution, which is removed manually.

Restrictions: For Research Use only

Handling

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.20.05 % (w/v) Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: The Biotin 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.