BOVINE SERUM-AGAROSE
Product Number B 1768

Product Description
Normal whole serum is covalently attached to cyanogen bromide activated cross-linked beaded agarose. Five to ten milligrams of serum protein is bound per milliliter of resin.

Bovine serum-agarose is prepared for use as an immunoadsorbent. Antisera to various serum proteins may contain antibodies which cross-react with the same protein of another species. For certain assay procedures it may be necessary to remove these cross-reacting antibodies. Typically, cross-reacting antibodies may be removed from an antibody preparation with an equal volume of serum-agarose.

Reagents
Whole serum agarose is supplied as a suspension in 0.5 M NaCl containing 0.01% thimerosal as a preservative.

Precautions and Disclaimer
This product is for research use only.

Consult the MSDS for information regarding hazards and safe handling practices.

Storage/Stability
Store at 2-8 °C. Do Not Freeze.

Product Profile
A two milliliter column of serum-agarose is prepared using four milliliters of serum-agarose suspension. The column is equilibrated with 0.01 M sodium phosphate buffer, pH 7.2, containing 0.5 M NaCl (PB). Antisera to be adsorbed is applied to the column, and followed by a PB wash. The peak fractions are pooled, dialyzed and concentrated if necessary, then assayed for cross-reactivity. The antiserum preparation should no longer cross-react with the serum-agarose species. For the adsorption of closely related species, such as rat and mouse, a greater resin to antiserum ratio or repeated adsorptions may be required.

Serum-agarose may be regenerated and used for future immunoadsorptions. Strip the serum-agarose with ten column volumes of 0.1 M glycine with 0.15 M NaCl, pH 2.4 or 0.5 M acetic acid with 0.15 M NaCl, pH 2.4, the wash the serum-agarose with PB. Regenerated agarose may be stored at 2-8 °C as a suspension in PB containing thimerosal or other preservative.

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