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Product Information

ANTI-SHEEP RED BLOOD CELL STROMA IgG Fraction (7S)

Product No. **S 8014**

Product Description

Antiserum is developed in rabbit using sheep red blood cell stroma as the immunogen. Whole antiserum is fractionated and then further purified by ion exchange chromatography to provide the IgG fraction (7S) of antiserum. This fraction is essentially free of other rabbit serum proteins.

Identity and purity of the antibody is established by immunoelectrophoresis (IEP). Electrophoresis of the product followed by diffusion versus anti-rabbit IgG and anti-rabbit whole serum results in single arcs of precipitation in the gamma region.

Reagent

Rabbit Anti-Sheep Red Blood Cell Stroma is provided lyophilized from 0.01 M phosphate buffered saline, pH 7.2, to which no preservatives have been added.

Reconstitution and Storage Instructions

To one vial of lyophilized powder add 2 ml of deionized water. Rotate vial gently until powder dissolves. Prior to reconstitution store the product at 2-8 °C. After reconstitution, the solution may be stored frozen in working aliquots. Repeated freezing and thawing is **not** recommended. If slight turbidity occurs upon prolonged storage clarify the solution by centrifugation before use.

Product Profile

Agglutination titer: 1:100 - 1:200

Sheep red blood cells at 1×10^8 cells/ml in Hanks balanced salt solution (H 6648) and 0.1 M EDTA, pH 7.4, are combined in equal volumes with serially diluted antiserum. Titer is defined as the dilution of antisera in the well preceding a button-like precipitant.

Due to the variability of sheep red blood cell reactivity, it is recommended that each individual user determine their optimum working dilution by agglutination assay.

Reference

1. Kabat and Mayer, Experimental Immunochemistry, Charles C. Thomas Publishing, Springfield, Illinois, 2nd Edition (1961).

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