



Product Information

BOVINE IgM Purified Immunoglobulin

Product No. I 8135

Purified bovine IgM is produced by precipitation and gel filtration techniques using normal bovine serum as the starting material (the serum was maintained at pH 5.0 for 40 minutes to meet U.S.D.A. requirements). The product is provided as a solution in 0.05 M Tris-HCl, 0.15 M NaCl, 0.01 M glycine, pH 7.4, containing 15 mM sodium azide (see MSDS*) as a preservative.

Identity and Purity

Identity and purity of the bovine IgM is established by immunoelectrophoresis (IEP) and SDS-PAGE (polyacrylamide gel electrophoresis). Electrophoresis of the immunoglobulin preparation followed by diffusion versus anti-bovine whole serum results in a single arc of precipitation. By PAGE procedures the immunoglobulin is determined to be at least 95% pure.

Protein Concentration: 0.8-1.2 mg/ml by absorbance at 280 nm ($E_{280}^{1\%} = 13.7$).

Storage

For continuous use, store at 2-8 °C for up to one month. For extended storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is **not** recommended. Storage in "frost-free" freezers is **not** recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

*Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.

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