



BOVINE ALBUMIN FRACTION V PROTEASE FREE

Description

Bovine Albumin, Fr V, Protease Free is manufactured by a proprietary heat-shock fractionation process, using caprylic acid as an albumin stabilizer. It is solvent treated. This product is double heated to ensure inactivation of proteolytic activity. The final product is an off-white lyophilized powder. Bovine albumin molecular weight is app. 66,000.

Catalog Number

82-045

Pack Sizes Available

100g, 1kg, 5kg, Bulk

Features

- Reduces non-specific binding of protein.
- Reduces or eliminates background interference in ELISA.
- Protects sensitive protein components.
- Available in large lots with guaranteed uniformity.
- Contains no detectable IgG.
- The product is produced in an FDA-registered, GMP facility from BSE-free, U.S. sourced bovine serum.

Applications

- Hybridization techniques.
- Protease sensitive immunoassays such as RIA, EIA, IRMA, etc.
- Stabilizing agent for other proteins or enzymes.
- Background protein source in assay systems designed to measure enzyme activities directed against specific substrates.
- Protein stabilizer for long term storage of highly diluted antibody.
- Blocking protein to reduce non-specific binding of protein to microtiter wells in ELISA systems.

Source

Adult Bovine Serum

Form

A low salt, freeze-dried, off-white powder

Shipping

Ambient

Storage 2-8°C

Stability

Recontrol after 36 months.

Purification

Heat treatment in excess of 50°C

Adjusted < pH 5.5

Organic solvent treated

Diafiltered

Usage

This material is offered by Serologicals for research, laboratory or further manufacturing purposes only. Not for human use.

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All Others

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Specifications

Assay	Specification	Typical Value
Protein (Protein Factor 6.22) By Nitrogen Analyzer, Anhydrous	96 - 100%	97%
Purity (Albumin, 7% Solution) By Cellulose Acetate Electrophoresis	98 - 100%	99%
pH (7% Solution)	6.8 – 7.2	7.1
Sodium By Flame Photometer	0-15.0 mg/g	5.8 mg/g
Chloride By Coulometric Titrator	0 – 3.0 mg/g	0.9 mg/g
Protease By Casein Hydrolysis or By Azocoll	None detected 0 – 0.02 O.D.	None detected
IgG By Radialimmunodiffusion	None detected	None detected
Moisture (when packaged) By Karl Fischer	0 - 5.0%	< 5.0%

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