



## BOVINE ALBUMIN FRACTION V, pH 7.0

### Description

Bovine Albumin, Fr V, pH 7.0 is manufactured by a proprietary heat-shock fractionation process, using caprylic acid as an albumin stabilizer. It is solvent treated. The final product is off-white lyophilized powder. Bovine albumin molecular weight is app. 66,000.

### Catalog Number

81-003

### Pack Sizes Available

100g, 1kg, 5kg, Bulk

### Features

- Recognized as the standard of excellence for bovine albumin.
- pH of 7.0 is ideal for most uses.
- Universally accepted in serological, microbiological, tissue culture and laboratory reagent usage.
- Available in large lots with guaranteed uniformity and high purity.
- Priced for cost containment.
- Contains no detectable IgG.
- The product is produced in an FDA-registered, GMP facility from BSE-free, U.S. sourced bovine serum.

### Applications

- Diluent for sensitive enzyme systems.
- Growth promoter in serum-free media for the cultivation of animal cells and microorganisms.
- In media for the cultivation of leptospira, borrelia, and other fastidious organisms.
- Diluent/stabilizer for EIA, RIA, and other immunoassay techniques.
- Stabilizes cell membranes against the effects of shear forces.
- Blocking agent to prevent non-specific absorption.
- Protein stabilizer for long term storage of highly diluted antibodies.
- Agent for the stabilization or activation of enzymes.
- Protein supplement for serum standards, controls, and reference materials.
- Diluent for animal vaccines and bacterins.

### Source

Adult Bovine Serum

### Form

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

### Shipping

Ambient

### Storage 2-8°C

### Stability

Recontrol after 36 months.

#### Serologicals® Corporation

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Norcross, GA 30092

#### North America

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F 800.468.7436

#### All Others

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#### World Wide Web

[www.serologicals.com](http://www.serologicals.com)

#### Email

[customerservices@serologicals.com](mailto:customerservices@serologicals.com)



### Purification

Heat treatment in excess of 50°C

Adjusted < pH 5.5

Organic solvent treated

### Usage

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

### Specifications

Assay	Specification	Typical Value
Protein (Protein Factor 6.22) By Nitrogen Analyzer, Anhydrous	96 - 100%	98%
Purity (Albumin, 7% Solution) By Cellulose Acetate Electrophoresis	98 - 100%	99%
pH (7% Solution)	6.8 – 7.2	7.1
Sodium By Flame Photometer	0-10.0 mg/g	3.2 mg/g
Chloride By Coulometric Titrator	0 – 3.0 mg/g	1.1 mg/g
Iron By Atomic Absorption	0 – 15.0 µg/g	5.5 µg/g
IgG By Radialimmunodiffusion	None detected	None detected
Moisture (when packaged) By Karl Fischer	0 - 5.0%	< 5.0%
Date of Manufacture		Provided

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