



## BOVINE ALBUMIN FRACTION V REAGENT GRADE

### Description

Bovine Albumin, Fr V, Reagent Grade is manufactured by a proprietary heat-shock fractionation process, using caprylic acid as an albumin stabilizer. It is solvent treated. It is concentrated. This product is measured for levels of heavy metals and fatty acids. The final product is off-white lyophilized powder. Bovine albumin molecular weight is app. 66,000.

### Catalog Number

81-066

### Pack Sizes Available

100g, 1kg, 5kg, Bulk

### Features

- Contains extremely low or non-detectable levels of heavy metals, alkaline earths, amino acids, polypeptides, enzymes, etc.
- Each lot assayed for additional clinical analytes; results available upon special request.
- The reagent of choice for sensitive diagnostic assays.
- A highly defined albumin, extensively treated to reduce low molecular weight impurities.
- Excellent as a protective milieu and protein filler.
- Available in large lots with guaranteed uniformity and high purity.
- Contains no detectable IgG.
- Contains no fatty acid (i.e., caprylic acid) or other stabilizers that may reduce optical clarity of solution.
- The product is produced in an FDA-registered, GMP facility from BSE-free, U.S. sourced bovine serum.

### Applications

- The superior alternative for diagnostic systems sensitive to poorly-defined contaminants in other albumins.
- High purity protein supplement for serum standards and controls.
- Agent to stabilize enzymes.

### 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

0.2μ filtered

#### Serologicals® Corporation

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#### North America

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F 800.468.7436

#### All Others

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

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



## 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	98 - 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	2.1 mg/g
Chloride By Coulometric Titrator	0 - 3.0 mg/g	1.5 mg/g
Calcium By Atomic Absorption	0 - 0.50 mg/g	0.06 mg/g
Iron By Atomic Absorption	0 - 5.0 µg/g	1.3 µg/g
Heavy Metals Sum of: Copper, Iron, Lead, Zinc By Atomic Absorption	0 - 20.0 µg/g	8.5 µg/g
L-Lactate	0 - 0.5 mg/g	0.2 mg/g
Uric Acid By Colorimetry	0 - 100 mg/g	None detected
Urea Nitrogen By Colorimetry	0 - 100 mg/g	None detected
Total Lipids By Supercritical Fluid Extraction	0 - 3.5 mg/g	0.6 mg/g
Free Fatty Acids By Chromatography	0 - 1.0 mg/g	0.3 mg/g
Esterified Fatty Acids By Chromatography	0 - 1.5 mg/g	< 1.0 mg/g
IgG By Radialimmunodiffusion	None detected	None detected
Moisture (when packaged) By Karl Fischer	0 - 5.0%	< 5.0%

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