

# Product Information

## Bovine Serum Albumin - Fraction V

CATALOG NO. 85040C

### Description

Bovine Serum Albumin (BSA) makes up approximately 60% of all proteins in animal serum. It is commonly used in cell culture protocols, particularly when protein supplementation is necessary and the other components of serum are unwanted. In cell culture its main role is as a carrier of small molecules. Because of its negative charge, BSA binds water, salts, fatty acids, vitamins and hormones, then carries these bound components between tissues and cells. The binding capacity also makes BSA an effective scavenger for removing toxic substances, including pyrogens, from the medium.

BSA-Fraction V is used in a variety of applications, including cell culture media, buffers and assay reagents.

### Traceability

This product is derived from bovine blood collected in licensed facilities in the United States. The source animals were inspected by the United States Department of Agriculture (USDA) and deemed fit for human consumption. A Certificate of Analysis indicating the country of origin is available for each lot of Bovine Serum Albumin.

### Precautions

This product is for further manufacturing use. THIS PRODUCT IS NOT INTENDED FOR HUMAN OR THERAPEUTIC USE.

### Storage

To effectively preserve the integrity of BSA, it should be stored at the recommended temperature and protected from light. For stability and optimal performance, this product should be stored at 2 to 8 C. Do not use after the expiration date.

### Indications of Deterioration

Lyophilized powder should be free flowing. Do not use if powder is caked. Prepared solution should be clear of particulate and flocculent materials. Other evidence of deterioration may include color change as well as degradation of physical or performance characteristics.

### Characteristics

#### Appearance

Pale green lyophilized powder

#### Bioburden

< 300 CFU/g

#### Endotoxin (LAL)

≤ 10.0 EU/mg

#### Purity

≥ 98%

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