

## Technical Information

### Bovine Albumin Fraction V 7.5% Solution In Dulbecco's Phosphate Buffered Saline

**Product Code:TCL1036**

#### Application:-

**Molecular Weight:** 66.5 kDa

Bovine albumin Fraction V, also known as Fraction V is a protein derived from the serum of a cow. It is a single polypeptide chain consisting of about 583 amino acid residues. Fraction V gets its name "Cohn Fraction V" on account of its fractionation by the Edward Cohn purification methodology using cold ethanol precipitation. Serum albumin was obtained as the fifth fraction in the Cohn's method. It is often used in biochemistry as a protein concentration standard

Fraction V is used in cell culture as an additive in serum-free media. It provides protection to the cells from oxidative damage and stabilizes certain media components such as pyridoxal and fatty acids. It is primarily used as a carrier of lipids such as linoleic acid and oleic acid, since they are insoluble in aqueous solutions. It has a high affinity for various metals such as Fe, Cu and Ni. It also serves as protective agent against toxic metabolites.

TCL1036 is sterile filtered 7.5% albumin bovine fraction V solution in Dulbecco's Phosphate Buffered saline.

## Quality control

#### Appearance

Straw colored, clear solution.

#### pH

6.70 -7.30

#### Osmolality in mOsm/Kg H<sub>2</sub>O

265.00 -305.00

#### Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

#### Cultural Response

No toxicity to cells.

## Storage and Shelf Life

Store at 2-8°C.

Shelf life of the product is 12 months.

Use before the expiry date given on the product label.

## Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
- Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing of diagnostic reagents extra.
- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.
- Do not use the products if it fails to meet specifications for identity and performance parameters.