

Bovine Albumin Fraction V 7.5% Solution

In Dulbecco's Phosphate Buffered Saline

Product Code: TCL036

Product Description:

Molecular Weight: 66.5 kDa

CAS No.: 90604-29-8

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.

TCL036 is sterile filtered 7.5% albumin bovine fraction V solution in Dulbecco's Phosphate Buffered saline.

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.

Quality Control:

Appearance

Straw colored, clear solution.

pH

6.70 - 7.30

Osmolality in mOsm/Kg H₂O

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.

Disclaimer :

Revision : 05/2025

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