

Bovine Serum Albumin - Cohn Fraction V ab286863

Overview

Product name	Bovine Serum Albumin - Cohn Fraction V
General notes	<p>This product is manufactured by BioVision, an Abcam company and was previously called 7905 Bovine Serum Albumin – Cohn Fraction V, pH – 7.0. 7905-25 is the same size as the 25 g size of ab286863.</p> <p>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. It aids the stabilization of enzymes and other proteins to prevent proteolysis and denaturation, especially when the proteins are present in low concentrations. 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 components between tissues and cells. The binding capacity also makes BSA an effective scavenger for removing toxic substances, including pyrogens, from the medium.</p> <p>PURITY: ≥ 98% by SDS-PAGE gel</p> <p>MOL. WEIGHT: ~ 66.43 kDa</p> <p>ENDOTOXIN LEVEL: > 0.3 EU/mg by Gel Clot</p> <p>FORM: Light Brown powder</p> <p>OTHER PARAMETERS:</p> <p>pH (1% solution): 6.6 – 7.0 by pH meter analysis</p> <p>Calcium Content: < 2 mg/dL by Aesenzon III analysis</p> <p>Chloride Content: < 25 mEq/L by ISE analysis</p> <p>Potassium Content: < 0.2 mEq/L by ISE analysis</p> <p>Sodium Content: < 20 mEq/L by ISE analysis</p> <p>Moisture Content: 2.1 % by thermogravimetric analysis</p> <p>Microbial Content: Passed lower limit. Growth monitored on a plate at 30-35°C for 48 hrs.</p> <p>Mycoplasma content: Negative by E.I.A. Qualitative</p> <p>Viral Agents (9 CFR 113): None Detected.</p> <p>SOLUBILITY: 50 mg/ml in water, with 15 min of manual stirring.</p>

Properties

Form	Powder
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Avoid freeze / thaw cycle. It is important to note that this product is reported to be light sensitive. Store In the Dark.

Storage buffer

pH: 6.60

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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