

# SAFETY DATA SHEET

## Bovine Serum Albumin 30% and 22%

### 1. PRODUCT AND COMPANY INFORMATION

**Company name:** **Lab21 Healthcare Ltd.,**  
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Tel: +44 (0) 1308 421829  
Fax: +44 (0) 1308 421846      Web site: [www.Lab21.com](http://www.Lab21.com)

**Emergency contact:** As above, during office hours.

**Product name:** **Bovine Albumin 30%; Bovine Albumin 22%**  
In vitro diagnostic enhancement media for professional use.  
30% and 22% bovine serum albumin is prepared from a mixture of bovine serum albumin and buffered saline. Free from stabilisers and non-specific agglutinins. Caprylate free.

**Product codes:**

Reagent	Bulk reagent	10 ml vial	5ml vial	
<b>BSA 30%</b>	BA/110	BA/010	BA/005	1/404
<b>BSA 22%</b>	BA/120	BA/020	BA/015	1/400

And versions thereof

### 3. HAZARD IDENTIFICATION

**Main hazards:** No significant hazard

These products are not classified as dangerous according to Directive 1999/45/EC on dangerous preparations.  
Possible harm or irritation may occur through exposure to these products by inhalation or ingestion or by contact with the eyes, skin or mucous membranes.  
Some product components are materials of biological origin. Since no test or production method can guarantee that such materials will not transmit infection, due care should be exercised in their handling.  
Sodium azide is used as a preservative. This material is toxic, may form explosive compounds with plumbing metals (lead and copper).

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Composition:** Sodium azide < 0.1% w/w

**Hazardous Components: SODIUM AZIDE:** EINECS: 247-852-1 CAS: 26628-22-8  
[T+] R28; [-] R32; [N] R50/53

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### 4. FIRST AID MEASURES

**Skin contact:** May cause mild irritation at the site of contact. Wash skin with soap and water.  
**Eye contact:** May cause irritation and redness. Flush with water.  
**Ingestion:** Avoid hand to mouth contact.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Not combustible. Suitable extinguishing media for the surrounding fire should be used.  
**Exposure hazards:** None in small quantities

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear appropriate protective clothing. Refer to section 8 of MSDS for personal protection details.  
**Environmental precautions:** Properly disinfect any spills. Do not discharge into drains or rivers. Contain large spillages using bunding.  
**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 7. HANDLING AND STORAGE

**Handling requirements:** For in vitro diagnostic use only. Read the instructions for use. Avoid direct contact with the substance  
**Storage conditions:** Store in cool (2°C to 8 °C) well-ventilated area. Keep container tightly closed.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Hazardous ingredients:**

**SODIUM AZIDE:** WEL (8 hr TWA): 0.1 mg/m<sup>3</sup> WEL (15 min STEL): 0.3 mg/m<sup>3</sup>  
**Respiratory protection:** Respiratory protection not required.  
**Hand protection:** Protective disposable gloves.  
**Eye protection:** Safety glasses. Ensure eye bath is to hand.  
**Skin protection:** Protective clothing.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Viscous Liquid  
**Colour:** Buff/brown  
**Odour:** Odourless  
**pH:** pH6.9 – pH 7.3  
**Solubility:** Soluble  
**Flammability:** Not combustible

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### 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal storage and handling conditions. Do not use after expiry date.

**Materials to avoid:** Strong oxidising agents. Strong acids.

**Hazardous decomposition products:** In combustion may emit toxic fumes.

### 11. TOXICOLOGICAL INFORMATION

**Hazardous ingredients:** **SODIUM AZIDE:**  
ORL MUS LD50 27 mg/kg  
ORL RAT LD50 27 mg/kg  
SKN RAT LD50 50 mg/kg

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

### 12. ECOLOGICAL INFORMATION

The albumin in these products is biodegradable. The sodium azide preservative used in these products is toxic to aquatic organisms. Photolysis of sodium azide in natural waters is expected to generate metallic nitrides that will eventually decompose into free metals and nitrogen.

**Mobility:** Readily absorbed into soil.

### 13. DISPOSAL CONSIDERATIONS

**Waste code number:** 18 01 07 Hazardous waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

### 14. TRANSPORT INFORMATION

**SODIUM AZIDE:**

**ADR / RID**

**UN no:** - Not applicable.

**Shipping name:** Not classified as dangerous in the meaning of transport regulations.

**IMDG / IMO**

**UN no:** - **Marine pollutant:** NO

**IATA / ICAO**

**UN no:** - Not applicable.

### 15. REGULATORY INFORMATION

**SODIUM AZIDE:**

**Hazard symbols:** Harmful.

**Risk phrases:** R22: Harmful if swallowed.

R32: Contact with acids liberates very toxic gas.

**EC classification:** Xn- Harmful

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**Safety phrases:** S29/35: Do not empty into drains; dispose of this material and its container in a safe way.  
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection. S46: If swallowed, seek medical advice immediately and show this container or label.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions that complete these regulations. Refer to all applicable national, international and local regulations or provisions.

### 16. OTHER INFORMATION

**Warning:** Because no test method can offer complete assurance that HIV, HCV, HbsAg or other infectious agents are absent, the components of this kit should be handled accordingly.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

**UK Legislation:** Health and Safety at Work Act, 1974, and relevant statutory provisions.

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the registration, evaluation, authorisation and restriction of chemicals (REACH): Article 31:- Requirements for safety data sheets, and Annex II:- Guide to the Compilation of Safety Data Sheets, OJ L, 136, 29.5.2007, pp 35 – 36 and pp 84 –92.

The Chemicals (Hazard Information & Packaging for Supply) Regulations [CHIP], United Kingdom Statutory Instrument 2002 No. 1689, based on the European Directives on Dangerous Substances (67/548/EEC) and Dangerous Preparations (1999/45/EC).

Approved Supply List (8th edition), information approved for the classification and labelling of substances and preparations dangerous for supply, United Kingdom Health & Safety Commission, 2005, based on Annex I to 67/548/EEC.

Commission Decision 2000/532/EC establishing a list of wastes pursuant to Article 1(a) of Directive 75/442/EEC on waste and Article 1(4) of Directive 91/689/EEC on hazardous waste. CONSLEG: 2000D0532 – 01/01/2002, Office for Official Publications of the European Communities.

Directive 98/79/EC of the European Parliament and of the Council on in vitro diagnostic medical devices, Annex I, Essential Requirements, OJ L, 331, 7.12.1998, p 20.

List of approved workplace exposure limits, Table 1 of EH40/2005, United Kingdom Health & Safety Commission.

Regulation (EC) 999/2001 of the European Parliament and of the Council laying down rules for the prevention, control and eradication of certain transmissible spongiform encephalopathies, OJ L, 147, 31.5.2001, pp 1-40.

Regulation (EC) 1774/2002 of the European Parliament and of the Council laying down rules concerning animal by-products not intended for human consumption, OJ L, 273, 10.10.2002, pp 1-95.