

SAFETY DATA SHEET

ABO Monoclonal Blood Grouping Antisera

1. PRODUCT AND COMPANY INFORMATION

Product names: **Anti- A, Anti- B and Anti- A,B Monoclonal Blood Grouping Antisera**

Solutions of specific antibodies, derived from culture supernatants of antibody producing murine lymphomas, diluted in a solution containing bovine serum albumin, buffer salts and macromolecular potentiators.

Product codes:

Reagent	Bulk reagent	10 ml vial	5ml vial	
Anti-A Monoclonal	ABO/110	ABO/010	ABO/005	1/008
Anti-B Monoclonal	ABO/120	ABO/020	ABO/015	1/018
Anti-A,B Monoclonal	ABO/130	ABO/030	ABO/025	1/028

And versions thereof

Manufacturer: **Lab21 Healthcare Ltd.,**
Unit 29, Dreadnought Trading Estate
Bridport
Dorset
DT6 5BU
Tel: +44 (0) 1308 421829
Fax: +44 (0) 1308 421846
Web site: www.Lab21.com

Emergency contact: As above, during office hours.

2. HAZARDS IDENTIFICATION

Main hazards: No significant hazard

Product contains no hazardous constituents or the concentrations of all chemical constituents are below the regulatory threshold described in Article 31 Requirements for Safety Data Sheets.
All reagents contain less than 0.1% w/w sodium azide (NaN₃) as preservative.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Sodium azide < 0.1% EINECS: 247-852-1 CAS: 26628-22-8 [T+] R28; [-] R32; [N] R50/53

Di-sodium EDTA di-hydrate: 0.2%; CAS 6381-92-6, EC 205-358-3 – Not classified as dangerous according to Directive 67/548/EEC

Anti-A and Anti-B contain dyes

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be irritation of the throat.
Inhalation: No symptoms

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4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes.
Ingestion: Wash out mouth with water.
Inhalation: Obtain medical attention

5. FIRE-FIGHTING MEASURES

Extinguishing media: Not combustible. Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of MSDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: 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: Avoid the formation of aerosols. 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/m³ WEL (15 min STEL): 0.3 mg/m³

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid
Colour: Anti-A – Blue; Anti-B- yellow; Anti-A,B – Clear-Light straw colour
Odour: Odourless
pH: pH6.8 – pH 7.2
Solubility: Soluble
Flammability: Not combustible

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10. STABILITY AND REACTIVITY

Stability: Stable under normal storage and handling conditions.
Conditions to avoid: Heat
Materials to avoid: Avoid contact of the products with lead and copper (plumbing metals), mercury, acids, and oxidising agents.
Hazardous decomposition products: Stable when stored and used as directed. Thermal decomposition products

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

Mobility: Readily absorbed into soil.
Persistence and degradability: No data available.
Bio-accumulative potential: No data available.
Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Waste code number: 18 01 07
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID UN no: - Not classified.
IMDG / IMO UN no: - Not classified
IATA / ICAO UN no: - Not classified

15. REGULATORY INFORMATION

Hazard symbols: Harmful.
Risk phrases: R22: Harmful if swallowed.
R32: Contact with acids liberates very toxic gas.
EC classification: Xn- Harmful
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.

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16. OTHER INFORMATION

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.

Sources of information used in this data sheet:

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 136/35 – L 136/36 and L 136/84 – L 136/92, 29.5.2007.

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 331/20, 7.12.98.

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