

ABX Pentra Lactic Acid	A91A00595BEN	11/10/2006
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX Pentra Lactic Acid
Product code:	Ref.ABX: A11A01721
1.2. Company identification	
	HORIBA ABX - Rue du Caducée - Parc Euromédecine 34184 MONTPELLIER CEDEX 4 - FRANCE Tel: (33) 4 67 14 15 16 Fax: (33) 4 67 14 15 17
1.3. Emergency phone number	
	Contact the nearest first-aid station.

2. Composition/information on ingredients	
2.1. Description of the kit	
	REAGENT : Reagent kit REAGENT 1 : 1 x 103 ml (buffer); Phosphate buffer (100 mmol/l), ESPAS (1 mmol/l) REAGENT 2 : 10 x 10 ml (lyophilisate); Lactate oxydase (≥ 450 U/l), Peroxydase (≥ 2000 U/l), 4-aminoantipyrine (0.40 mmol/l), Bovine Serum Albumin (0.3%)
2.2. Hazardous ingredients (name, concentration)	
	REAGENT 1 : Sodium azide Less than 0.1%
2.3. Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No	

3. Hazards identification	
Most important hazards:	This reagent is particularly stable and no toxic in normal conditions of use. REAGENT 2 contains 0.3% of Bovine Serum Albumin.
Specific risks:	<u>For man, effect of acute exposure:</u> Eyes, skin contact: May cause irritation. Inhalation: May cause irritation, may be harmful. Ingestion: May be harmful. <u>For environment:</u> None hazard determined.

4. First-aid-measures	
Inhalation:	Provide fresh air. If breathing is difficult, get medical attention.
Skin contact:	Immediately wash skin with plenty of water.
Eye contact:	Immediately wash eyes, also under the eyelids, with water for at least 15 minutes. Get medical attention.
Ingestion:	Get medical attention immediately.

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5. Fire-fighting measures	
Extinguishing media:	Water spray or foam.
Specific risks:	Not determined.
Special protective equipment:	Not determined.
Additional recommendations:	Thermal decomposition: Dangerous decomposition products and gases which are damaging to health, in large quantities, are not anticipated.

6. Accidental release measures	
Personal precautions:	Avoid eyes, skin or clothes contact. Rinse well with water. Provide fresh air.
Environmental precautions:	Not determined.
Methods for cleaning/absorption:	<p>Actions to be taken on spillage: soak up and remove with absorbent material.</p> <p>Absorbent material: no special requirements.</p> <p>Disposal measure: collect waste in closed disposal containers and dispose of according to local regulations.</p>

7. Handling and storage	
7.1. Handling	
Technical measures:	Not determined.
Precautions:	Not determined.
Handling recommendations:	Avoid eyes, skin contact. Wash hands before and after use.
7.2. Storage	
Technical measures:	Not determined.
Storage conditions:	Store protected from light and tightly closed at 2-8°C.
Incompatible materials:	Not determined.
Packaging materials:	Not determined.

8. Exposure controls/personal protection	
Specific control parameters:	Not determined.
Technical measures:	Not determined.
Respiratory protection:	Have good local ventilation, wear mask or appropriate respirator.
Hand protection:	Protective gloves.
Eye protection:	Safety goggles.
Skin protection:	Lab coat.
Hygiene measures:	Wash hands before and after use.

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9. Physical and chemical properties

Physical state:	REAGENT 1: Liquid, limpid REAGENT 2: Freeze-dried	Autoflammability:	Not determined
Colour:	REAGENT 1: Colourless REAGENT 2: White	Explosive properties:	Not determined
Odour:	Not determined	Oxidizing properties:	Not determined
pH:	Not determined	Vapour pressure:	Not determined
Boiling point:	Not determined	Relative density:	Not determined
Melting point:	Not determined	Solubility:	Not determined
Flashing point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	Not determined	Other data:	None relevant for the safety.

10. Stability and reactivity

Conditions to avoid:	The product is stable if stored at 2-8°C, avoid exposure to heat.
Materials to avoid:	Avoid contact with metals and acids.
Hazardous decomposition products:	Not determined.
Other data:	Stability: The product is stable until the expiry date on the label. No hazardous reactions under normal use.

11. Toxicological information

Acute toxicity:	Not determined.
Chronic toxicity:	Not determined.
Inhalation:	Not determined.
Skin contact:	Not determined.
Eye contact:	Not determined.
Ingestion:	Not determined.
Other data:	Toxicological data for this reagent are not available.

12. Ecological information

Mobility:	Not determined.
Degradability:	Not determined.
Bioaccumulative potential:	Not determined.
Ecotoxicology:	When handled and used properly, no ecological problems are to be expected.
Other hazardous effects:	Ecological data for this product are not available. Disposal procedure have to be respected (see §13).

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13. Disposal considerations

Surplus or waste (residues):	<p>REAGENT 1 contains less than 0.1% sodium azide as a preservative. As sodium azide may react with lead and copper to form explosive metal azides, this reagent should be disposed of by flushing with copious amounts of water.</p> <p>The products must be disposed of as a laboratory chemical according to local regulations.</p>
Contaminated packaging:	<p>Type of primary container:</p> <p>REAGENT 1: plastic vial (composed of polyethylene high density).</p> <p>REAGENT 2: glass vial.</p>

14. Transport information (International regulations)

General information:	This product is not subject to current regulations for transportation of hazardous goods.
By air (IATA):	Not applicable.
By land (ADR):	Not applicable.
By sea (IMDG):	Not applicable.

15. Regulatory information

Symbols:	None	
R phrases:	None	
S phrases:	None	
Substances:	None	
Other regulatory requirements:	In no way does this information exempt the user from knowing about or applying all the national or international regulations relating to his/her activity.	

16. Other information

This sheet is a complement to instructions for use but does not replace them. Information contained herewith is based on our current knowledge of the product, at the date shown, and is correct to the best of our knowledge.

Furthermore, the user's attention is drawn to the dangers of using this product for anything other than its intended use.

The user must accept the sole responsibility and take precautions accordingly for the use of this product.