

ABX Pentra LDH IFCC CP	A91A00724AEN	01/10/2007
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX Pentra LDH IFCC CP
Product code:	Ref.HORIBA ABX: A11A01871
1.2. Use of the product	
Diagnostic reagent for quantitative in-vitro determination of Lactate Dehydrogenase (LDH) in serum or plasma	
1.3. 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 Email: documentation@fr.abx.fr
1.4. Emergency phone number	
	Contact the nearest first-aid station

2. Hazards identification	
Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No	
Most important hazards:	Dangerous properties cannot be excluded. However, risks are not to be expected when the product is handled by qualified and authorized personnel with the necessary precautions for chemicals/diagnostic reagents.
Specific risks	None determined.

3. Composition/information on ingredients					
3.1. Description of the kit					
	REAGENT : Bi-reagent cassette REAGENT 1 : 1 x 26 ml : Aqueous solution with: N-Methyl-D-Glucamine (420 mmol/l), L-Lactate (65 mmol/l) REAGENT 2 : 1 x 6.5 ml : Aqueous solution with: NAD ⁺ (50 mmol/l)				
3.2. Hazardous ingredients (name, concentration)					
CAS N.	Name	Concentration	Symbol	Risk	Registration number
26628-22-8	REAGENT 2 : Sodium azide	< 1 g/l	T+, N	R28, R32, R50/53	_____

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4. First-aid-measures	
Inhalation:	No special requirements.
Skin contact:	Wash skin with water.
Eye contact:	Immediately wash eyes, also under the eyelids, with water for at least 15 minutes.
Ingestion:	Have the patient drink extensive water. Get medical attention if feeling unwell.

5. Fire-fighting measures : Product non flammable	
Extinguishing media:	Use whatever is required for the surrounding area.
Specific risks:	None determined.
Special protective equipment:	No special requirements.
Additional recommendations:	None.

6. Accidental release measures	
Personal precautions:	Wear a lab coat, protective gloves and safety goggles.
Environmental precautions:	Prevent from getting into sewage, water, ground.
Methods for cleaning/absorption:	Dilute spill with water. Take up with absorbent material. Dispose of according to local regulations.

7. Handling and storage	
7.1. Handling	
Technical measures:	No special requirements.
Precautions:	The usual laboratory precautions should be observed.
Handling recommendations:	No special requirements.
7.2. Storage	
Technical measures:	No special requirements.
Storage conditions:	Store protected from light, in tightly closed containers, at 2-8°C.
Incompatible materials:	None determined.
Packaging materials:	No special requirements.

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8. Exposure controls/personal protection	
8.1. Exposure limit values	
Specific control parameters:	None determined.
8.2. Exposure controls	
8.2.1. Occupational exposure controls	
Technical measures:	Use general room ventilation.
Respiratory protection:	No special requirements.
Hand protection:	Protective gloves.
Eye protection:	Safety goggles.
Skin protection:	Lab coat.
Hygiene measures:	Change contaminated clothes. Wash hands before and after use.
8.2.2. Environmental exposure controls	
Not applicable	

9. Physical and chemical properties			
9.1. General information			
Physical state:	REAGENT 1 : Liquid, aqueous clear solution REAGENT 2 : Liquid, aqueous clear solution		
Colour:	REAGENT 1 : Colourless REAGENT 2 : Pale yellow	Odour:	REAGENT 1 : No characteristic odour REAGENT 2 : No characteristic odour
9.2. Important health, safety and environmental information			
pH:	REAGENT 1 : 9.45 (at 37°C) REAGENT 2 : 2.5 (at 25°C)	Relative density:	REAGENT 1 : 1.0240 g/ml (at 20°C) REAGENT 2 : 1.0040 g/ml (at 20°C)
Boiling point:	Not determined	Solubility:	Not determined
Flash point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	Not determined	Viscosity:	Not determined
Explosive properties:	Not determined	Vapour density:	Not determined
Oxidizing properties:	Not determined	Evaporation rate:	Not determined
9.3. Other information			
None			

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10. Stability and reactivity

Conditions to avoid:	None known.
Materials to avoid:	REAGENT 2: Sodium azide may react with Pb and Cu and form dangerous material, metal azide product.
Hazardous decomposition products:	None known.
Other data:	None.

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:	Quantitative data about the toxicity of the product are not available. Dangerous properties cannot be excluded. However, risks are not to be expected when the product is handled by qualified and authorized personnel with the necessary precautions for chemicals/diagnostic reagents.

12. Ecological information

12.1. Ecotoxicity:	Not determined.
12.2. Mobility:	Not determined.
12.3. Degradability:	Not determined.
12.4. Bioaccumulative potential:	Not determined.
12.5. Results of PBT assessment:	Not applicable.
12.6. Other hazardous effects:	Quantitative data on ecological effects of the product are not available.

13. Disposal considerations

Surplus or waste (residues):	REAGENT 2: This reagent 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. The products must be disposed of as a laboratory chemical according to local regulations.
Contaminated packaging:	Type of primary container: plastic cassette composed of polyethylene high density. Packaging must be disposed of according to local regulations.

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14. Transport information (International regulations)	
General information:	None.
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	
Specific provisions and related laws:	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	
16.1. List of relevant R phrases	
R28	Very toxic if swallowed.
R32	Contact with acids liberates very toxic gas.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
16.2. Recommended restriction on use	
None.	
16.3. Further information	
<p>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.</p> <p>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.</p>	
16.4. Sources of key data	
This document has been compiled with information extracted from documents given by our raw material suppliers.	
16.5. Revision	
the sections that have been modified from the previous version are indicated by a vertical line on the left side of the table.	