

ABX Pentra ALP CP	A91A00546CEN	30/06/2008
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX Pentra ALP CP
Product code:	Ref. HORIBA ABX: A11A01626
1.2. Use of the product	
Diagnostic reagent for quantitative <i>in-vitro</i> determination of Alkaline Phosphatase (ALP) 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	During reaction, P-Nitrophenol is produced which is poisonous when inhaled, swallowed or absorbed through skin.

3. Composition/information on ingredients					
3.1. Description of the kit					
	REAGENT : Bi-reagent cassette REAGENT 1 : 1 x 26 ml : 2-Amino-2-methyl-1-propanol (440 mmol/l), Magnesium sulphate (2.0 mmol/l), Zinc sulphate (1.25 mmol/l), HEDTA (2.5 mmol/l) REAGENT 2 : 1 x 6.5 ml : p-Nitrophenylphosphate (80 mmol/l)				
3.2. Hazardous ingredients (name, concentration)					
CAS N.	Name	Concentration	Symbol	Risk	Registration number
26628-22-8	REAGENT 1 : Sodium azide	< 0.1%	T+, N	R28, R32, R50/53	_____
26628-22-8	REAGENT 2 : Sodium azide	< 0.1%	T+, N	R28, R32, R50/53	_____

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4. First-aid-measures

Inhalation:	No special requirements.
Skin contact:	If the reaction mixture comes in contact with skin or mucous membranes, wash with plenty of water.
Eye contact:	Immediately wash eyes, also under the eyelids, with water for at least 15 minutes.
Ingestion:	If patient is conscious, rinse out mouth and throat thoroughly with water. 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 and place in a suitable container. Dispose of according to local regulations. Clean affected area.

7. Handling and storage

7.1. Handling

Technical measures:	No special requirements.
Precautions:	The usual laboratory precautions should be observed.
Handling recommendations:	Wear a lab coat, protective gloves and safety goggles.

7.2. Storage

Technical measures:	No special requirements.
Storage conditions:	Store protected from light, in tightly closed containers, at 2-8°C. Do not freeze the reagents.
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:	<table border="1"> <tr> <td>REAGENT 1</td> <td>:Liquid, aqueous clear solution.</td> </tr> <tr> <td>REAGENT 2</td> <td>:Liquid, aqueous clear solution.</td> </tr> </table>			REAGENT 1	:Liquid, aqueous clear solution.	REAGENT 2	:Liquid, aqueous clear solution.				
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9.2. Important health, safety and environmental information											
pH:	<table border="1"> <tr> <td>REAGENT 1</td> <td>: 10.4 (at 25°C)</td> </tr> <tr> <td>REAGENT 2</td> <td>: 9.0 (at 25°C)</td> </tr> </table>	REAGENT 1	: 10.4 (at 25°C)	REAGENT 2	: 9.0 (at 25°C)	Relative density:	<table border="1"> <tr> <td>REAGENT 1</td> <td>: 1.0108 g/ml (at 20°C)</td> </tr> <tr> <td>REAGENT 2</td> <td>: 1.0136 g/ml (at 20°C)</td> </tr> </table>	REAGENT 1	: 1.0108 g/ml (at 20°C)	REAGENT 2	: 1.0136 g/ml (at 20°C)
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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:	None known.
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 determined.
12.6. Other hazardous effects:	Quantitative data on ecological effects of the product are not available.

13. Disposal considerations

Surplus or waste (residues):	These reagents contain less than 0.1% sodium azide as a preservative. As sodium azide may react with lead and copper, to form explosive metal azides, these reagents should be disposed of by flushing with copious amounts of water. The reaction mixture contains P-Nitrophenol which is poisonous. 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:	Not applicable.
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	
See specific information given in the product user information.	
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.	