

<b>ABX Pentra Standard 1</b>	<b>A91A00555BEN</b>	<b>23/08/2006</b>
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<b>1. Product and company identification</b>	
<b>1.1. Identification of the product</b>	
Product name:	ABX Pentra Standard 1
Product code:	Ref.ABX: A11A01717
<b>1.2. Company identification</b>	
	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
<b>1.3. Emergency phone number</b>	
	Contact the nearest first-aid station

<b>2. Composition/information on ingredients</b>									
<b>2.1. Description of the kit</b>									
	<table border="0"> <tr> <td>CAL: vial of 280ml (RTU).</td> <td></td> </tr> <tr> <td>NaCl</td> <td>≈ 0.6%</td> </tr> <tr> <td>Boric acid</td> <td>≈ 0.4%</td> </tr> <tr> <td>Tris-hydroxymethyl-aminomethane</td> <td>≈ 0.2%</td> </tr> </table>	CAL: vial of 280ml (RTU).		NaCl	≈ 0.6%	Boric acid	≈ 0.4%	Tris-hydroxymethyl-aminomethane	≈ 0.2%
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NaCl	≈ 0.6%								
Boric acid	≈ 0.4%								
Tris-hydroxymethyl-aminomethane	≈ 0.2%								
<b>2.2. Hazardous ingredients (name, concentration)</b>									
<b>2.3. Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No</b>									

<b>3. Hazards identification</b>	
Most important hazards:	The usual precautions taken when handling chemicals should be observed. May cause irritation to the skin or mucous membranes.
Specific risks	None.

<b>4. First-aid-measures</b>	
Inhalation:	Remove the victim from contamination immediately to fresh air and keep him warm and comfortable. In the case of respiratory pause, give exhalation or conduct an artificial respiration. In the case of dyspnea, conduct an inhalation of oxygen. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.
Skin contact:	Take off the contaminated clothing, and wash and clean the affected part of body.
Eye contact:	Immediately wash eyes, also under the eyelids, with water for 15 minutes. Get medical attention immediately.
Ingestion:	Induce vomiting with plenty of warm water or milk. At vomiting turn victim's head sideways at least to keep his airway open. Get medical attention. If victim is unconscious, keep him at a comfortable sideways position to wait and to be carried.

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## 5. Fire-fighting measures

Extinguishing media:	None.
Specific risks:	Non flammable, special treatment not required.
Special protective equipment:	None determined.
Additional recommendations:	None.

## 6. Accidental release measures

Personal precautions:	Wear an appropriate protective clothing while working.
Environmental precautions:	None.
Methods for cleaning/absorption:	Vacuum or sweep up material and place in an empty disposal container.

## 7. Handling and storage

### 7.1. Handling

Technical measures:	No special requirements.
Precautions:	No special requirements.
Handling recommendations:	Avoid contact with skin and eyes. Avoid a long-term or repeated exposure. After work, rinse mouth and wash hands.

### 7.2. Storage

Technical measures:	No special requirements.
Storage conditions:	Store in a dark place at 5-30°C.
Incompatible materials:	None.
Packaging materials:	No special requirements.

## 8. Exposure controls/personal protection

Specific control parameters:	Controlled concentration: not established.
Technical measures:	No special requirements.
Respiratory protection:	Not required.
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:	Liquid	Autoflammability:	None
Colour:	Colourless	Explosive properties:	None
Odour:	Odourless	Oxidizing properties:	Not determined
pH:	Not determined	Vapour pressure:	Not determined
Boiling point:	Nearly 100°C	Relative density:	Nearly 1
Melting point:	Not determined	Solubility:	Miscible in water
Flashing point:	None	Partition coefficient:	Not determined
Flammability (solid, gaz):	None	Other data:	Volatility: none Self reactivity: none

## 10. Stability and reactivity

Conditions to avoid:	Not determined.
Materials to avoid:	Not determined.
Hazardous decomposition products:	Not determined.
Other data:	Stable at the normal temperature in a tightly closed container.

## 11. Toxicological information

Acute toxicity:	LD50 (oral, mouse) LD50 (oral, mouse) LD50 (oral, mouse) Semi-acute toxicity	4000 mg/kg (at 100% NaCl) 5.5 g/kg (at 100% Tris-hydroxymethyl-aminomethane) 2260 mg/kg (at 100% boric acid) Not detected
Chronic toxicity:	Not detected. Deforming factor: not detected.	
Inhalation:	None determined.	
Skin contact:	Skin contact for a long time may cause irritation.	
Eye contact:	None determined.	
Ingestion:	None determined.	
Other data:	Sensitisation: not detected.	

## 12. Ecological information

Mobility:	Not determined.
Degradability:	Not detected.
Bioaccumulative potential:	Not detected.
Ecotoxicology:	Fish toxicity: LD0: 10,000 ppm (at 100% Tris-hydroxymethyl-aminomethane).
Other hazardous effects:	See § 13.

## 13. Disposal considerations

Surplus or waste (residues):	Used reagent must be disposed of according to local regulations.
Contaminated packaging:	Packaging must be disposed of according to local regulations.

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#### **14. Transport information (International regulations)**

General information:	Not classified by transport regulations.
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.