

ABX Pentra Reference 280 ml	A91A00734AEN	17/02/2009
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX Pentra Reference 280 ml
Product code:	Ref. HORIBA Medical: A11A01901
1.2. Use of the product	
Reference solution used for the quantitative determination of sodium, potassium and chloride on ABX Pentra 400 ISE module.	
1.3. Company identification	
	HORIBA ABX SAS - 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:	The usual precautions taken when handling chemicals should be observed. A large amount of ingestion at a time may cause a strong irritation in the digestive tract, which brings vomiting, rise in blood pressure or any disturbances in the cardiovascular system.
Specific risks	None.

3. Composition/information on ingredients					
3.1. Description of the kit					
	[CAL]: vial of 280ml (RTU). KCl (≈ 11.2%)				
3.2. Hazardous ingredients (name, concentration)					
CAS N.	Name	Concentration	Symbol	Risk	Registration number
-	-	-	-	-	-

4. First-aid-measures	
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.

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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.

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:	Not determined.
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 at 5-30°C. Fasten the cap tightly and avoid direct sunlight.
Incompatible materials:	None.
Packaging materials:	No special requirements.

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8. Exposure controls/personal protection	
8.1. Exposure limit values	
Specific control parameters:	Controlled concentration: not established.
8.2. Exposure controls	
8.2.1. Occupational exposure controls	
Technical measures:	Place a local exhauster if necessary.
Respiratory protection:	Not required.
Hand protection:	Protective gloves.
Eye protection:	Safety goggles.
Skin protection:	Lab coat.
Hygiene measures:	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:	Liquid		
Colour:	Colourless	Odour:	Odourless
9.2. Important health, safety and environmental information			
pH:	Not determined	Relative density:	Not determined
Boiling point:	Nearly 100°C	Solubility:	Miscible in water
Flash point:	None	Partition coefficient:	Not determined
Flammability (solid, gaz):	None	Viscosity:	Not determined
Explosive properties:	None	Vapour density:	Not determined
Oxidizing properties:	Not determined	Evaporation rate:	Not determined
9.3. Other information			
Volatility: none Self reactivity: none			

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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 (abdominal pulse, mouse): LD50 (vein, mouse): Semi-acute toxicity:	383 mg/kg (at 100% KCl) 552 mg/kg (at 100% KCl) 117 mg/kg (at 100% KCl) 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:	Eye contact may cause irritation.	
Ingestion:	None determined.	
Other data:	Sensitisation: not detected.	

12. Ecological information

12.1. Ecotoxicity:	Not detected.
12.2. Mobility:	Not determined.
12.3. Degradability:	Not detected.
12.4. Bioaccumulative potential:	Not detected.
12.5. Results of PBT assessment:	Not determined.
12.6. Other hazardous effects:	Not determined.

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
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	
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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.	