

<b>ABX Pentra Glucose HK CP</b>	<b>A91A00594CEN</b>	<b>04/07/2008</b>
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<b>1. Product and company identification</b>	
<b>1.1. Identification of the product</b>	
Product name:	ABX Pentra Glucose HK CP
Product code:	Ref. HORIBA ABX: A11A01667
<b>1.2. Use of the product</b>	
Diagnostic reagent for quantitative <i>in-vitro</i> determination of Glucose HK in serum and plasma by colorimetry.	
<b>1.3. 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 Email: documentation@fr.abx.fr
<b>1.4. Emergency phone number</b>	
	Contact the nearest first-aid station

<b>2. Hazards identification</b>	
<b>Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No</b>	
Most important hazards:	None.
Specific risks	<b>For man</b> : effect of acute exposure: Eyes, skin contact: May cause irritation Inhalation: May cause irritation, may be harmful Ingestion: May be harmful <b>For environment</b> : No hazard determined

<b>3. Composition/information on ingredients</b>					
<b>3.1. Description of the kit</b>					
	<b>REAGENT 3</b> : Bi-reagent cassette <b>REAGENT 1</b> : 1 x 56 ml : Pipes Buffer (100 mmol/l), NAD (3.8 mmol/l), ATP (2.2 mmol/l) <b>REAGENT 2</b> : 1 x 14 ml : Hexokinase ( $\geq 8500$ U/l), Glucose-6-phosphate dehydrogenase ( $\geq 8500$ U/l), Magnesium sulfate (20 mmol/l)				
<b>3.2. Hazardous ingredients (name, concentration)</b>					
CAS N.	Name	Concentration	Symbol	Risk	Registration number
26628-22-8	<b>REAGENT 1</b> Sodium azide	< 0.1%	T+, N	R28, R32, R50/53	_____
26628-22-8	<b>REAGENT 2</b> Sodium azide	< 0.1%	T+, N	R28, R32, R50/53	_____

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#### **4. First-aid-measures**

Inhalation:	Provide fresh air. If breathing is difficult, get medical attention.
Skin contact:	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:	If patient is conscious, rinse out mouth and throat thoroughly with water. Get medical attention in case of persistent symptoms.

#### **5. Fire-fighting measures : Product non flammable**

Extinguishing media:	Water spray or extinguishing foam.
Specific risks:	None determined.
Special protective equipment:	No special requirements.
Additional recommendations:	Thermal decomposition: dangerous decomposition products and gases damaging to health are not expected in large quantities.

#### **6. Accidental release measures**

Personal precautions:	Wear a lab coat, protective gloves and safety goggles. Rinse well with water, provide fresh air.
Environmental precautions:	Prevent from getting into sewage, water, ground.
Methods for cleaning/absorption:	Take up with absorbent material and place in a suitable container.

#### **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.
Incompatible materials:	None determined.
Packaging materials:	No special requirements.

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<b>8. Exposure controls/personal protection</b>	
<b>8.1. Exposure limit values</b>	
Specific control parameters:	None determined.
<b>8.2. Exposure controls</b>	
<b>8.2.1. Occupational exposure controls</b>	
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:	Wash hands before and after use.
<b>8.2.2. Environmental exposure controls</b>	
Not applicable.	

<b>9. Physical and chemical properties</b>			
<b>9.1. General information</b>			
Physical state:	Liquid		
Colour:	Colourless	Odour:	Not determined
<b>9.2. Important health, safety and environmental information</b>			
pH:	Not determined	Relative density:	Not determined
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
<b>9.3. Other information</b>			
None.			

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## 10. Stability and reactivity

Conditions to avoid:	Avoid exposure to heat.
Materials to avoid:	None known.
Hazardous decomposition products:	None known.
Other data:	The product is stable until the expiry date stated on the label. Hazardous reactions: not known when used appropriately.

## 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

<b>12.1. Ecotoxicity:</b>	No ecological problems are expected when the reagents are handled and used with due care and attention.
<b>12.2. Mobility:</b>	Not determined.
<b>12.3. Degradability:</b>	Not determined.
<b>12.4. Bioaccumulative potential:</b>	Not determined.
<b>12.5. Results of PBT assessment:</b>	Not determined.
<b>12.6. Other hazardous effects:</b>	Quantitative data on ecological effects of the product are not available. Disposal considerations have to be respected (See §13).

## 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 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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<b>14. Transport information (International regulations)</b>	
General information:	Not applicable.
By air (IATA):	Not applicable.
By land (ADR):	Not applicable.
By sea (IMDG):	Not applicable.

<b>15. Regulatory information</b>	
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.

<b>16. Other information</b>	
<b>16.1. List of relevant R phrases</b>	
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.
<b>16.2. Recommended restriction on use</b>	
See specific information given in the product user information.	
<b>16.3. Further information</b>	
<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>	
<b>16.4. Sources of key data</b>	
This document has been compiled with information extracted from documents given by our raw material suppliers.	
<b>16.5. Revision</b>	
The sections that have been modified from the previous version are indicated by a vertical line on the left side of the table.	