

ABX Pentra CK-MB RTU	A91A00556CEN	Revision 28/02/2011
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX Pentra CK-MB RTU
Product code:	Ref. HORIBA Medical: A11A01643
1.2. Use of the product	
Diagnostic reagent for quantitative <i>in vitro</i> determination of CK-MB in serum by colorimetry.	
1.3. Company identification	
	HORIBA ABX SAS Parc Euromédecine - Rue du Caducée BP 7290 34184 MONTPELLIER CEDEX 4 FRANCE Tel: + 33 (0) 4 67 14 15 16 Fax: + 33 (0) 4 67 14 15 17 Email: documentation.med@horiba.com
1.4. Emergency phone number	
Company:	+ 800 67 14 15 16
French official advisory body:	ORFILA (INRS): + 33 (0) 1 45 42 59 59

2. Hazards identification	
Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No	
Most important hazards:	
REAGENT 1:	This preparation is classified as not hazardous.
REAGENT 2:	This preparation is classified as not hazardous.
Specific risks:	
REAGENT 1:	None
REAGENT 2:	None.

3. Composition/information on ingredients	
3.1. Description of the kit	
	REAGENT : Bi-reagent vial REAGENT 1 : 1 x 20 mL REAGENT 2 : 1 x 5 mL

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3.2. Hazardous ingredients (name, concentration)

CAS No.	EC No. (EINECS/ELINCS/NLP)	Name	Concentration	Symbol	Risk	REACH No.
288-32-4	206-019-2 (EINECS)	REAGENT 1 : Imidazole	0.1% < c < 1 %	C, Xn	R22, R34, R63 (Repr. Cat. 3)	
288-32-4	206-019-2 (EINECS)	REAGENT 2 : Imidazole	< 1 %	C, Xn	R22, R34, R63 (Repr. Cat. 3)	

4. First-aid-measures

Inhalation:	If inhaled, move from exposure area to fresh air. Seek medical attention if breathing becomes difficult or if cough or other symptoms develop.
Skin contact:	In case of contact, immediately flush skin with copious amounts of cool water and remove contaminated clothing. Seek medical attention if needed or if irritation or other symptoms develop.
Eye contact:	Immediately flush eyes with plenty of tepid water for 15 minutes while separating eyelids with fingers. Remove contact lenses if worn. Seek medical attention if needed or if symptoms, such as redness or irritation persist.
Ingestion:	Rinse mouth thoroughly with water. Induce vomiting. Have victim drink large quantities of water, with active charcoal if possible. Seek medical attention

5. Fire-fighting measures :

Extinguishing media:	Use extinguishing media suitable for the surrounding fire, such as carbon dioxide, chemical foam, dry chemical or water spray.
Specific risks:	REAGENT 1 : In the event of a fire, the following may be produced when the water evaporates: nitrogen oxides (NOx), sulfur oxides, carbon monoxide and carbon dioxide. REAGENT 2 : Can be released in case of fire: nitrogen oxides (NOx), phosphorus oxides, carbon monoxide and carbon dioxide.
Special protective equipment:	Firefighters should wear NIOSH-approved or equivalent Self-Contained Breathing Apparatus and full protective gear.
Additional recommendations:	Do not allow fire water to penetrate into surface or ground water.

6. Accidental release measures

Personal precautions:	Wear a lab coat, protective gloves and safety goggles. Wash hands thoroughly after handling.
Environmental precautions:	Do not allow to penetrate into soil, waterbodies or drains.
Methods for cleaning/absorption:	Absorb spill with inert material/sorbent. Decontaminate the spill site following standard procedures. Dispose of materials in accordance with all applicable federal, state, local and provincial environmental regulations. Wash spill area with plenty of water.

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7. Handling and storage

7.1. Handling

Technical measures:	No special requirements.
Precautions:	The usual laboratory precautions should be observed.
Handling recommendations:	Avoid contact with skin and eyes. Keep all containers, equipment and working place clean.

7.2. Storage

Technical measures:	No special requirements.
Storage conditions:	Store protected from light and tightly closed at 2-8°C. Do not freeze.
Incompatible materials:	No special requirements.
Packaging materials:	No special requirements.

8. Exposure controls/personal protection

8.1. Exposure limit values

Specific control parameters:	None determined.
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8.2. Exposure controls

8.2.1. Occupational exposure controls

Technical measures:	Not determined.
Respiratory protection:	Provide adequate ventilation.
Hand protection:	Protective gloves according to EN 374. Glove material: nitrile rubber. Breakthrough time: > 480 minutes. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	Tightly sealed safety glasses according to EN 166.
Skin protection:	Wear appropriate protective clothing, such as a lab coat or other long-sleeved garment over clothing to minimize contact and contamination of clothing.
Hygiene measures:	Change contaminated clothing. Wash hands before breaks and at the end of the work.

8.2.2. Environmental exposure controls

Not available.	
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9. Physical and chemical properties

9.1. General information

Physical state:	REAGENT 1 : Liquid REAGENT 2 : Liquid		
Colour:	REAGENT 1 : Clear, colorless REAGENT 2 : Clear, colorless	Odour:	REAGENT 1 : Weak like thiole REAGENT 2 : Odourless

9.2. Important health, safety and environmental information

pH:	REAGENT 1 : 6.3 at 25°C REAGENT 2 : 9.0 at 25°C	Relative density:	REAGENT 1 : 1.009 g/mL at 20°C REAGENT 2 : 1.039 g/mL at 20°C
Boiling point:	Not available	Solubility (water):	Fully miscible
Flash point:	Not combustible	Partition coefficient: (n-octanol/water)	Not available
Flammability (solid, gaz):	Not available	Viscosity:	Not available
Explosive properties:	Not available	Vapour density:	Not available
Oxidizing properties:	Not available	Evaporation rate:	Not available

10. Stability and reactivity

Conditions to avoid:	Protect against heat/sun rays.
Materials to avoid:	Acids, alkalis.
Hazardous decomposition products:	REAGENT 1 : In the event of a fire, the following may be produced when the water evaporates: nitrogen oxides (NO _x), sulfur oxides, carbon monoxide and carbon dioxide. REAGENT 2 : Can be released in case of fire: nitrogen oxides (NO _x), phosphorus oxides, carbon monoxide and carbon dioxide.
Other data:	Stable under ordinary conditions of use and storage.

11. Toxicological information

Acute toxicity:	Not determined.
Chronic toxicity:	Not determined.
Inhalation:	Not determined.
Skin contact:	Not determined.
Eye contact:	REAGENT 2 : Mild irritant.
Ingestion:	Not determined.

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Other data:	Contains sodium azide (0.95 g/L): after resorption of toxic quantities: headache, dizziness, nausea, coughing, vomiting, spasms, breathing paralysis, CNS disorders, low blood pressure, cardiovascular failure, unconsciousness, collapse.
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12. Ecological information	
12.1. Ecotoxicity:	REAGENT 1: Water hazard class: 1 = mild water pollutant REAGENT 2: Contains phosphates: may contribute to eutrophication of water supplies. Water hazard class: 1 = mild water pollutant
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:	Do not allow to enter ground water, sewage or drains.

13. Disposal considerations	
Surplus or waste (residues) Contaminated packaging	Waste key number (product): 160506* = Laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals. * : evidence for disposal must be provided. Waste key number (contaminated packaging): 150102 = plastic packaging. It is advisable to avoid or reduce the generation of waste products wherever possible. Empty containers may contain product residues. Discard all waste, unused products, and contaminated packaging in accordance with current legislation. If you are in any doubt over the regulations, further information can be obtained from the competent authorities.

14. Transport information (International regulations)		
By air (IATA):	Appropriate shipping name: UN number: Risk category: Packing group:	Not restricted.
By land (European ADR):	Shipping name: UN number: Risk category: Packing group:	Not restricted.
By sea (IMDG):	Shipping name: UN number: Risk category: Packing group: Marine polluante:	Not restricted.

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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		
REAGENT 1 REAGENT 2	R22	Harmful if swallowed.
REAGENT 1 REAGENT 2	R34	Causes burns.
REAGENT 1 REAGENT 2	R63	Possible risk of harm to the unborn child.
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.		