

ABX Pentra RF Cal	A91A00539BEN	19/10/2006
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX Pentra RF Cal
Product code:	Ref.ABX: A11A01618
1.2. 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
1.3. Emergency phone number	
	Contact the nearest first-aid station

2. Composition/information on ingredients		
2.1. Description of the kit		
	CAL: 5 x 1 ml (5 levels) (RTU) N-2-hydroxyethylpiperazine-N'-2-ethanesulfonic acid (HEPES) Bovine serum albumin Sodium chloride RF positive human serum	0.24% 1% w/v 0.9%
2.2. Hazardous ingredients (name, concentration)		
	Sodium azide	<0.1%
2.3. Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No		

3. Hazards identification	
Most important hazards:	No adverse health effects should occur from routine use of this material in the manner specified by manufacture's instructions. The above health effects may be associated with overexposure to this product. With FDA licensed tests, the human source material in this product has been tested and is not reactive for Hepatitis B surface antigen, anti-Hepatitis C, and anti HIV1/HIV2. It is recommended to handle this product in accordance with Standard Laboratory Precautions. No hazardous product as specified in Directive 67/548/EEC.
Specific risks	Skin and/or eye contact, inhalation, and ingestion.

4. First-aid-measures	
Inhalation:	None determined.
Skin contact:	Wash skin with water.
Eye contact:	Immediately wash eyes, also under the eyelids, with water for at least 15 minutes.
Ingestion:	Get medical attention. Instructions for physician: symptomatic treatment by a physician.

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5. Fire-fighting measures

Extinguishing media:	No special requirements.
Specific risks:	None determined.
Special protective equipment:	None determined.
Additional recommendations:	None. Thermal decomposition: dangerous decomposition is not anticipated.

6. Accidental release measures

Personal precautions:	No known analysis method can totally guarantee the absence of transmissible pathogenic agent. It is therefore recommended that these products be treated as potentially infectious, and handled observing the usual safety precautions.
Environmental precautions:	Place all spill residue into a suitable container, seal, label, and hold for disposal.
Methods for cleaning/absorption:	Take up with absorbent material and place in a suitable container for infectious wastes. Wash contaminated area with disinfectant.

7. Handling and storage

7.1. Handling

Technical measures:	No special requirements.
Precautions:	Avoid splashing or spraying this product's components. The usual laboratory precautions should be observed.
Handling recommendations:	Wear a lab coat, protective gloves and safety goggles.

7.2. Storage

Technical measures:	None determined.
Storage conditions:	Store protected from light, in tightly closed containers, under a cool condition (2-10°C).
Incompatible materials:	No special requirements.
Packaging materials:	No special requirements.

8. Exposure controls/personal protection

Specific control parameters:	None determined.
Technical measures:	Follow standard laboratory practices concerning manipulation of human origin products.
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.

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9. Physical and chemical properties

Physical state:	Liquid	Autoflammability:	Not determined
Colour:	Yellowish	Explosive properties:	Not determined
Odour:	Odourless	Oxidizing properties:	Not determined
pH:	7.5	Vapour pressure:	Not determined
Boiling point:	Not determined	Relative density:	Not determined
Melting point:	Not determined	Solubility:	Soluble in water
Flashing point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	Not determined	Other data:	Not determined

10. Stability and reactivity

Conditions to avoid:	Not determined.
Materials to avoid:	Not determined.
Hazardous decomposition products:	No.
Other data:	No hazardous reactions known when used appropriately.

11. Toxicological information

Acute toxicity:	Human serum should be regarded as a potentially infectious material.
Chronic toxicity:	Not determined.
Inhalation:	Not determined.
Skin contact:	Not determined.
Eye contact:	Not determined.
Ingestion:	Not determined.
Other data:	Intoxication has not so far become known.

12. Ecological information

Mobility:	Not determined.
Degradability:	Not determined.
Bioaccumulative potential:	Not determined.
Ecotoxicology:	Not determined.
Other hazardous effects:	Not determined.

13. Disposal considerations

Surplus or waste (residues):	These calibrators 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 calibrators should be disposed of by flushing with copious amounts of water. Used calibrators must be disposed of in accordance with local regulations.
Contaminated packaging:	Not determined.

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14. Transport information (International regulations)

General information:	Not subject to current regulations for transportation of hazardous goods.
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.