

ABX Pentra Ig G CP	A91A00737AEN	27/04/2010
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX Pentra Ig G CP
Product code:	Ref. HORIBA Medical: A11A01924
1.2. Use of the product	
Diagnostic reagent for quantitative in-vitro determination of Immunoglobulin G (IgG) in serum and plasma by turbidimetry.	
1.3. Company identification	
	HORIBA ABX SAS - Rue du Caducée - Parc Euromédecine 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:	The usual precautions taken when handling chemicals should be observed.
Specific risks	None determined.

3. Composition/information on ingredients						
3.1. Description of the kit						
	REAGENT : Bi-reagent cassette REAGENT 1 : 1 x 40 mL REAGENT 2 : 1 x 9 mL					
3.2. Hazardous ingredients (name, concentration)						
CAS N.	EC N.	Name	Concentration	Symbol	Risk	Registration number
77-86-1	201-064-4 (EINECS)	REAGENT 1 : tris-(Hydroxymethyl)-aminomethane	1-5%	Xi	R36/38	_____
9002-92-0	500-002-6 (NLP)	Dodecan-1-ol, ethoxylated	0.1-1%	Xn, N	R22, R41, R50	_____
77-86-1	201-064-4 (EINECS)	REAGENT 2 : tris-(Hydroxymethyl)-aminomethane	1-5%	Xi	R36/38	_____

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4. First-aid-measures

Inhalation:	None determined.
Skin contact:	Change contaminated clothing. Remove residues with water.
Eye contact:	Immediately wash eyes, also under the eyelids, with water for at least 15 minutes.
Ingestion:	Rinse mouth thoroughly with water. Induce vomiting. Have victim drink large quantity of water, with active charcoal if possible. Seek medical attention.

5. Fire-fighting measures :

Extinguishing media:	Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.
Specific risks:	Fires in the immediate vicinity may cause the development of dangerous vapours. Can be released in case of fire: Nitrogen oxides (NO _x), carbon monoxide and carbon dioxide.
Special protective equipment:	Wear self-contained breathing apparatus.
Additional recommendations:	Do not allow fire water to penetrate into surface or ground water.

6. Accidental release measures

Personal precautions:	Avoid contact with skin and eyes.
Environmental precautions:	Prevent from getting into soil, waterbodies or drains.
Methods for cleaning/absorption:	Soak up with absorbent materials such as sand, siliceus earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance. Wash spill area with plenty of water.

7. Handling and storage

7.1. Handling

Technical measures:	Avoid contact with skin and eyes. Keep all containers, equipment and working place clean.
Precautions:	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 at 2-8°C. Protect from light. Keep sterile.
Incompatible materials:	None determined.
Packaging materials:	None determined.

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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 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	Tightly sealed safety glasses according to EN 166.
Skin protection:	Lab coat.
Hygiene measures:	Change contaminated clothes. 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, weak opalescent		
Colour:	REAGENT 1 : Colourless, clear REAGENT 2 : Colourless up to brownish	Odour:	REAGENT 1 : Characteristic, like PEG REAGENT 2 : Odourless

9.2. Important health, safety and environmental information

pH:	REAGENT 1 : 7.5 at 25°C REAGENT 2 : 7.9 at 25°C	Relative density:	REAGENT 1 : 1.019 g/mL at 20°C REAGENT 2 : 1.026 g/mL at 20°C
Boiling point:	Not available.	Solubility:	Fully miscible in water.
Flash point:	Not combustible	Partition coefficient:	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.

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10. Stability and reactivity

Conditions to avoid:	Protect against heat/sun rays.
Materials to avoid:	Strong acids, alkalis. This reagent contains less than 0.1% of sodium azide as preservative. Sodium azide may react with Pb and Cu and form dangerous material, metal azide product.
Hazardous decomposition products:	Can be released in case of fire: Nitrogen oxide (NO _x), carbon monoxide and carbon dioxide.
Other data:	Product is stable under normal storage conditions.

11. Toxicological information

Acute toxicity:	Not determined.
Chronic toxicity:	Not determined.
Inhalation:	Not determined.
Skin contact:	Not determined.
Eye contact:	Mild irritant.
Ingestion:	Not determined.
Other data:	Contains Sodium azide (< 0.1%): After resorption of toxic quantities: headache, dizziness, nausea, coughing, vomiting, spasms, breathing paralysis, CNS disorders, low blood pressure, cardiovascular failure, unconsciousness, collapse.

12. Ecological information

12.1. Ecotoxicity:	REAGENT 1]: Aquatic toxicity: Information about Dodecan-1-ol, ethoxylated (nonionic surfactant): very toxic to aquatic organisms. Water hazard class: 1 = mild water pollutant. REAGENT 2]: 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	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.
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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 applicable.
By sea (IMDG):	Shipping name: UN number: Risk category: Packing group: Marine polluante:	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	
R22	Harmful if swallowed.
R36/38	Irritating to eyes and skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.
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.</p> <p>The user must accept the sole responsibility and take precautions accordingly for the use of this product.</p>	

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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.