

<b>ABX Pentra AST CP</b>	<b>A91A00550BEN</b>	<b>10/08/2005</b>
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<b>1. Product and company identification</b>		<p><b>Australian Supplier</b></p> <p>In Vitro Technologies Pty. Ltd.            Street/P.O.Box: 7-9 Summit Road            Country code/Postal code/Town/City: Noble Park, Melbourne, VIC 3174            Telephone / Telefax: +61397713700 / +61397713720</p> <p>Emergency information: Poisons Information Centre: Tel. 131126</p>
<b>1.1. Identification of the product</b>		
Product name:	ABX Pentra AST CP	
Product code:	Ref.ABX: A11A01629	
<b>1.2. 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		
<b>1.3. Emergency phone number</b>		
		Contact the nearest first-aid station

<b>2. Composition/information on ingredients</b>	
<b>2.1. Description of the kit</b>	
	<p><b>REAGENT 1</b>: Bi-reagent cassette</p> <p><b>REAGENT 1</b>: 1 x 56 ml :            Tris (110 mmol/l), L-aspartate (340 mmol/l), Malate Dehydrogenase (≥ 900 U/l), Lactate Dehydrogenase (≥ 900 U/l)</p> <p><b>REAGENT 2</b>: 1 x 14 ml :            2-oxoglutarate (85 mmol/l), NADH (1.09 mmol/l)</p>
<b>2.2. Hazardous ingredients (name, concentration)</b>	
	<p><b>REAGENT 1</b>: Sodium azide Less than 1 g/l</p> <p><b>REAGENT 2</b>: Sodium azide Less than 1 g/l</p>
<b>2.3. Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No</b>	

<b>3. Hazards identification</b>	
Most important hazards:	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.
Specific risks	None determined.

<b>4. First-aid-measures</b>	
Inhalation:	No special requirements.
Skin contact:	Wash skin with water.
Eye contact:	Immediately wash eyes, also under the eyelids, with water for at least 15 minutes.
Ingestion:	If patient is conscious, rinse out mouth and throat thoroughly with water. Have the patient drink extensive water. Get medical attention if feeling unwell.

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

Extinguishing media:	Use whatever is required for the surrounding area.
Specific risks:	None determined.
Special protective equipment:	No special requirements.
Additional recommendations:	None.

## 6. Accidental release measures

Personal precautions:	Wear a lab coat, protective gloves and safety goggles.
Environmental precautions:	Prevent from getting into sewage, water, ground.
Methods for cleaning/absorption:	Dilute spill with water. Take up with absorbent material and place in a suitable container. Dispose of according to local regulations. Clean affected area.

## 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. Do not freeze the reagents.
Incompatible materials:	None determined.
Packaging materials:	No special requirements.

## 8. Exposure controls/personal protection

Specific control parameters:	None determined.
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:	Change contaminated clothes. Wash hands before and after use.

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## 9. Physical and chemical properties

Physical state:	Liquid, aqueous clear solution	Autoflammability:	Not determined
Colour:	<u>REAGENT 1</u> : Colourless <u>REAGENT 2</u> : Slightly yellow	Explosive properties:	Not determined
Odour:	No characteristic odour	Oxidizing properties:	Not determined
pH:	<u>REAGENT 1</u> : 7.8 (at 30°C) <u>REAGENT 2</u> : 9.6 (at 25°C)	Vapour pressure:	Not determined
Boiling point:	Not determined	Relative density:	<u>REAGENT 1</u> : 1.0308 g/ml (at 20°C) <u>REAGENT 2</u> : 1.0148 g/ml (at 20°C)
Melting point:	Not determined	Solubility:	Not determined
Flashing point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	Not determined	Other data:	Not determined

## 10. Stability and reactivity

Conditions to avoid:	None known.
Materials to avoid:	None known.
Hazardous decomposition products:	None known.
Other data:	None.

## 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

Mobility:	Not determined.
Degradability:	Not determined.
Bioaccumulative potential:	Not determined.
Ecotoxicology:	Not determined.
Other hazardous effects:	Quantitative data on ecological effects of the product are not available.

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### 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.

### 14. Transport information (International regulations)

General information:	Not applicable.
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:		
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.