

# MATERIAL SAFETY DATA SHEET

ABX Pentra AST CP - A91A00550

2003/12/04

## 1. Product and company identification

### 1.1 Identification of the product:

**Product name:** ABX Pentra AST CP  
**Product code:** Ref. ABX ==> A11A01629

### 1.2 Company identification:

**ABX Diagnostics** - 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

### Description of the kit:

**REAGENT**: Bi-reagent cassette.

**REAGENT 1** = 1 × 48 ml + **REAGENT 2** = 1 × 12 ml

### Chemical nature:

#### **REAGENT 1**:

Tris	110 mmol/l
L-aspartate	340 mmol/l
Malate dehydrogenase	≥ 900 U/l
Lactate dehydrogenase	≥ 900 U/l
Sodium azide	Less than 1 g/l

#### **REAGENT 2**:

2-oxoglutarate	85 mmol/l
NADH	1.09 mmol/l
Sodium azide	Less than 1 g/l

### Hazardous ingredients: (name, concentration)

### Dangerous preparation according to 67/548/EEC - 88/379/EEC:

In accordance to the EC Directive 88/379/EC, this product has not to be classified as hazardous material.

## 3. Hazards identification

### 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 / diagnostics reagents.

### Specific risks:

## 4. First-aid measures

### Inhalation:

### Skin contact:

Rinse with water.

### Eye contact:

Rinse with water.

### Ingestion:

Give extensive water for drinking, consult doctor if feeling unwell.

## 5. Fire-fighting measures

### Extinguishing media:

### Specific risks:

### Special protective equipment:

### Additional recommendations:

Product is not flammable.

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## 6. Accidental release measures

**Personal precautions:**

**Environmental precautions:**

**Methods for cleaning / absorption:** Dilute with water and absorb with liquid absorbing material. Dispose of according to local regulations. Clean affected area.

## 7. Handling and storage

### 7.1 Handling:

**Technical measures:** No special requirements.

**Precautions:** No special requirements.

**Handling recommendations:** No special requirements.

### 7.2 Storage:

**Technical measures:**

**Storage conditions:** Store protected from light and tightly closed at +2°C - +8°C. Do not freeze the reagents.

**Incompatible materials:**

**Packaging materials:**

## 8. Exposure controls/personal protection

**Specific control parameters:**

**Technical measures:**

**Respiratory protection:** Not required.

**Hand protection:** Required.

**Eye protection:** Required.

**Skin protection:** Required.

**Hygiene measures:** Change contaminated cloths. Wash hands after handling the substance.

## 9. Physical and chemical properties

**Physical state:** Liquid; aqueous clear solution.

**Colour:** REAGENT 1 : Colourless.

REAGENT 2 : Slightly yellow.

**Odour:** No characteristic odour.

**pH:** REAGENT 1 : 7.8 (30°C)

REAGENT 2 : 9.6 (25°C)

**Boiling point:** Not applicable.

**Melting point:** Not applicable.

**Flashing point:** Not applicable.

**Flammability (solid, gas):** Not applicable.

**Auto-flammability:** Not applicable.

**Explosive properties:** Not applicable.

**Oxidizing properties:** Not applicable.

**Vapour pressure:** Not applicable.

**Relative density:** REAGENT 1 : 1.0308 g/ml (20°C)

REAGENT 2 : 1.0148 g/ml (20°C)

**Solubility:** Not applicable.

**Partition coefficient:**

**Other data:**

## 10. Stability and reactivity

**Conditions to avoid:** Not known.

**Materials to avoid:** Not known.

**Hazardous decomposition products:** Not known.

**Other data:**

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## 11. Toxicological information

<b>Acute toxicity:</b>	Not known.
<b>Chronic toxicity:</b>	Not known.
<b>Inhalation:</b>	Not known.
<b>Skin contact:</b>	Not known.
<b>Eye contact:</b>	Not known.
<b>Ingestion:</b>	Not known.
<b>Other data:</b>	Quantitative data about the toxicity of the product are not available. Dangerous properties cannot be ruled out. However, risks are not to be expected, if the product is handled by qualified and authorized personnel with the necessary precautions for chemicals/ diagnostic reagents.

## 12. Ecological information

<b>Mobility:</b>	
<b>Degradability:</b>	
<b>Bioaccumulative potential:</b>	
<b>Ecotoxicity:</b>	Risk of water pollution: Class 1 according to German Federal regulation.
<b>Other hazardous effects:</b>	Quantitative data on ecological effects of the product are not available.

## 13. Disposal considerations

<b>Surplus or waste (residues):</b>	These reagents contain less than 0.1% of sodium azide as a preservative. As sodium azide may react with lead and copper to form explosive metal azides, this reagent should be disposed of by flushing with copious amounts of water. There are no common EC regulations for the disposal of chemicals or residues yet. Chemical residues are generally considered as special waste. The disposal of the latter is regulated in the EC member countries through respective laws and regulations. We recommend that you contact either authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.
<b>Contaminated packaging:</b>	Disposal in accordance with local legal provisions.

## 14. Transport information (International regulations)

<b>By land:</b>	N/A.
<b>By river:</b>	N/A.
<b>By air:</b>	N/A.
<b>By sea:</b>	N/A.
<b>General information:</b>	This product is not subject to current regulations for transportation of hazardous goods ( GGVS/ADR, GGVE/RID, IMDG, IATA/ICAO).

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## **15. Regulatory information**

### **Labelling according to EEC directives:**

**Symbols:** N/A.

**R phrases:** N/A.

**S phrases:** N/A.

**Substances:** N/A.

**Other regulatory requirements:** In accordance to the EC Directive 88/379/EC this product has not to be classified as hazardous material.

## **16. Other information**

This product is intended for IN VITRO diagnostic use only.

NOT FOR USE IN HUMANS.

The information given herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not a guarantee properties of the product.