

# MATERIAL SAFETY DATA SHEET

ABX Pentra Lactic Acid - A91A00595

2002/12/02

## 1. Product and company identification

### 1.1 Identification of the product:

**Product name:** ABX Pentra Lactic Acid  
**Product code:** Ref. ABX ==> A11A01721

**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 : Reagent kit.  
REAGENT 1 = 1 × 103 ml (buffer)  
REAGENT 2 = 10 × 10 ml (lyophilisate)

**Chemical nature:**

REAGENT 1:	
Phosphate buffer	100 mmol/l
ESPAS	1 mmol/l
Sodium azide	Less than 0.1%
REAGENT 2:	
Lactate oxydase	≥ 450 U/l
Peroxydase	≥ 2000 U/l
4-aminoantipyrine	0.40 mmol/l
Bovine Serum Albumin	0.3%

**Hazardous ingredients:** Not applicable.  
(name, concentration)

**Dangerous preparation according to 67/548/EEC - 88/379/EEC:** According to Directives 67/548/EEC, 88/379/EEC and decree of 20<sup>th</sup> April 1994 for dangerous products classification, this reagent contains no dangerous substances in reportable quantities.

## 3. Hazards identification

**Most important hazards:** This reagent is particularly stable and no toxic in normal conditions of use.  
Reagent 2 contains 0.3% of Bovine Serum Albumin.

**Specific risks:**

**For man:** effect of acute exposure:  
Eyes, skin contact: May cause irritation.  
Inhalation: May cause irritation, may be harmful.  
Ingestion: May be harmful.

**For environment:**  
None hazard determined.

## 4. First-aid measures

**Inhalation:** Provide fresh air. If breathing is difficult, obtain medical attention.  
**Skin contact:** Flush area with plenty of water.  
**Eye contact:** Flush eyes with water for at least 15 minutes and seek medical advise.  
**Ingestion:** Seek medical advice immediately.

### Australian Supplier

In Vitro Technologies Pty. Ltd.  
Street/P.O.Box:  
Country code/Postal code/Town/City:  
Telephone / Telefax:

7-9 Summit Road  
Noble Park, Melbourne, VIC 3174  
+61397713700 / +61397713720

Emergency information:

Poisons Information Centre: Tel. 131126

# MATERIAL SAFETY DATA SHEET

ABX Pentra Lactic Acid - A91A00595

2002/12/02

## 5. Fire-fighting measures

**Extinguishing media:** Water spray or foam.  
**Specific risks:**  
**Special protective equipment:**  
**Additional recommendations:** Thermal decomposition: Dangerous decomposition products and gases which are damaging to health, in large quantities are not anticipated.

## 6. Accidental release measures

**Personal precautions:** Avoid eyes, skin or clothes contacts. Rinse well with water, provide fresh air.  
**Environmental precautions:**  
**Methods for cleaning / absorption:** After spillage: soak up and remove with absorbent substances.  
Absorbent material: no restriction.  
Disposal measure: collect waste in closed disposal containers and dispose according to national or local regulations.

## 7. Handling and storage

**7.1 Handling:**  
**Technical measures:**  
**Precautions:**  
**Handling recommendations:** Avoid eyes, skin contacts. Have a wash after handling.  
**7.2 Storage:**  
**Technical measures:**  
**Storage conditions:** Store protected from light and tightly closed at +2 - +8°C.  
**Incompatible materials:**  
**Packaging materials:**

## 8. Exposure controls/personal protection

**Specific control parameters:**  
**Technical measures:**  
**Respiratory protection:** Yes, have good local ventilation, wear mask or appropriate respirator.  
**Hand protection:** Yes, wear gloves, wash hands after handling.  
**Eye protection:** Yes.  
**Skin protection:**  
**Hygiene measures:**

## 9. Physical and chemical properties

<b>Physical state:</b>	REAGENT 1: Liquid; limpid REAGENT 2: freeze-dried	<b>Auto-flammability:</b>	Not applicable.
<b>Colour:</b>	REAGENT 1: colourless REAGENT 2: white	<b>Explosive properties:</b>	Not applicable.
<b>Odour:</b>	Not applicable.	<b>Oxidizing properties:</b>	Not applicable.
<b>pH:</b>	Not applicable.	<b>Vapour pressure:</b>	Not applicable.
<b>Boiling point:</b>	Not applicable.	<b>Relative density:</b>	Not applicable.
<b>Melting point:</b>	Not applicable.	<b>Solubility:</b>	Not applicable.
<b>Flashing point:</b>	Not applicable.	<b>Partition coefficient:</b>	Not applicable.
<b>Flammability (solid, gas):</b>	Not applicable.	<b>Other data:</b>	None relevant for the safety.

# MATERIAL SAFETY DATA SHEET

**ABX Pentra Lactic Acid - A91A00595**

**2002/12/02**

## 10. Stability and reactivity

**Conditions to avoid:** The product is stable if store at 2-8°C, avoid exposure to heat.  
**Materials to avoid:** Avoid contact with metals and acids.  
**Hazardous decomposition products:** Not known.  
**Other data:** Stability: It is stable until the expiry date stated on the label.  
Hazardous reactions: Not known when used appropriately.

## 11. Toxicological information

**Acute toxicity:** N/A.  
**Chronic toxicity:** N/A.  
**Inhalation:** N/A.  
**Skin contact:** N/A.  
**Eye contact:** N/A.  
**Ingestion:** N/A.  
**Other data:** Toxicological data for this reagent is not available.

## 12. Ecological information

**Mobility:**  
**Degradability:**  
**Bioaccumulative potential:**  
**Ecotoxicity:** No ecological problems are expected when the reagent is handled and used with due care and attention.  
**Other hazardous effects:** Ecological data for this product are not available.  
Disposal procedure have to be respected (see § 13).

## 13. Disposal considerations

**Surplus or waste (residues):** Reagent 1 contains 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.  
Wastes evacuation procedure: this must be disposed of in compliance with antipollution and other laws of the country concerned.  
**Contaminated packaging:** Type of primary container:  
- reagent 1 : plastic vial ( composed of polyethylene high density ).  
- reagent 2 : glass vial.

## 14. Transport information (International regulations)

**By land:** N/A.  
**By river:** N/A.  
**By air:** N/A.  
**By sea:** N/A.  
**General information:** International regulation: No restriction.

# MATERIAL SAFETY DATA SHEET

**ABX Pentra Lactic Acid - A91A00595**

**2002/12/02**

## **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:** According to European classification (67/548/EEC, 88/379/EEC and decree of 20<sup>th</sup> April 1994): no special labelling, risk sentences and security sentences.

## **16. Other information**

This product is intended for IN VITRO diagnostic use only.

NOT FOR USE IN HUMANS.

The information herein is based on the current extent of our knowledge and is believed to be correct but is provided without warranty of any kind. The recipient of our reagent is responsible for observing all applicable laws and regulations.