

ABX Minipack LMG 4.2 L	A91A00202BEN	Revision 06/11/2007
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX Minipack LMG 4.2 L
Product code:	Ref. ABX: 0602050
1.2. Use of the product	
SEE SAFETY DATA SHEET ATTACHED (3)	
1.3. 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 Email: documentation@fr.abx.fr
1.4. Emergency phone number	
	Contact the nearest first-aid station

2. Hazards identification	
Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No	
Most important hazards:	SEE SAFETY DATA SHEET ATTACHED (3)
Specific risks	SEE SAFETY DATA SHEET ATTACHED (3)

3. Composition/information on ingredients					
3.1. Description of the kit					
	ABX MINIPACK LMG 4.2L is composed of: 0.3L ABX Miniclean 0.5L ABX Minilyse LMG 3.4L ABX Minidil LMG				
3.2. Hazardous ingredients (name, concentration)					
CAS N.	Name	Concentration	Symbol	Risk	Registration number
SEE SAFETY DATA SHEET ATTACHED (3)					

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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX Miniclean 1L
Product code:	Ref. ABX: 0403010
1.2. Use of the product	
Enzymatic solution with proteolytic action for the cleaning of HORIBA ABX blood cell counters.	
1.3. 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 Email: documentation@fr.abx.fr
1.4. Emergency phone number	
	Contact the nearest first-aid station

2. Hazards identification	
Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No	
Most important hazards:	None.
Specific risks	Product may be harmful if swallowed and can induce vomiting, fainting and diarrhoea.

3. Composition/information on ingredients					
3.1. Description of the kit					
	REAGENT : 1 x 1L Cleaning solution				
3.2. Hazardous ingredients (name, concentration)					
CAS N.	Name	Concentration	Symbol	Risk	Registration number
	Organic buffer	< 20%	Xi	R36/37/38	
	Proteolytic enzyme	< 1%	Xn	R42, R36/38	
	Detergent	< 5%	Xn	R22, R38, R41	
	Preservative	< 25%	Xn	R22, R36/38	

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4. First-aid-measures	
Inhalation:	No specific requirements.
Skin contact:	Wash skin with water and soap.
Eye contact:	Immediately wash eyes, also under the eyelids, with water for at least 15 minutes.
Ingestion:	If the victim is conscious, rinse out mouth with water. Get medical attention in case of fainting.

5. Fire-fighting measures : Product non flammable	
Extinguishing media:	Use whatever is required for the surrounding area.
Specific risks:	None determined.
Special protective equipment:	None.
Additional recommendations:	None.

6. Accidental release measures	
Personal precautions:	Wear a lab coat, protective gloves and safety goggles.
Environmental precautions:	Not determined.
Methods for cleaning/absorption:	Soak up the product and put in the waste. Wash the affected area with water.

7. Handling and storage	
7.1. Handling	
Technical measures:	None determined.
Precautions:	The usual laboratory precautions should be observed.
Handling recommendations:	Wear gloves and protective goggles in case of prolonged handling.
7.2. Storage	
Technical measures:	No special requirements.
Storage conditions:	Store at 18-25°C.
Incompatible materials:	Not determined.
Packaging materials:	Not determined.

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8. Exposure controls/personal protection	
8.1. Exposure limit values	
Specific control parameters:	None determined.
8.2. Exposure controls	
8.2.1. Occupational exposure controls	
Technical measures:	Use general room ventilation.
Respiratory protection:	None required.
Hand protection:	Protective gloves.
Eye protection:	Safety goggles.
Skin protection:	Lab coat.
Hygiene measures:	Wash hands before and after use.
8.2.2. Environmental exposure controls	
Not determined	

9. Physical and chemical properties			
9.1. General information			
Physical state:	Liquid		
Colour:	Colourless	Odour:	Smells of detergent
9.2. Important health, safety and environmental information			
pH:	9.6 (+/- 0.4)	Relative density:	Not determined
Boiling point:	Not determined	Solubility:	Aqueous solution miscible with water
Flash point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	Non-flammable	Viscosity:	Not determined
Explosive properties:	Not determined	Vapour density:	Not determined
Oxidizing properties:	Not determined	Evaporation rate:	Not determined
9.3. Other information			
Not determined			

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10. Stability and reactivity	
Conditions to avoid:	None determined.
Materials to avoid:	None determined.
Hazardous decomposition products:	None determined.
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:	None.

12. Ecological information	
12.1. Ecotoxicity:	Not determined.
12.2. Mobility:	Not determined.
12.3. Degradability:	Biodegradable >90%
12.4. Bioaccumulative potential:	Not determined.
12.5. Results of PBT assessment:	Not determined.
12.6. Other hazardous effects:	None determined.

13. Disposal considerations	
Surplus or waste (residues):	The product must be disposed of as a laboratory chemical according to local regulations.
Contaminated packaging:	Incineration.

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14. Transport information (International regulations)	
General information:	None.
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
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	
None	
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. The user must accept the sole responsibility and take precautions accordingly for the use of this product.</p>	
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.	

ABX Minilyse LMG 1L	A91A00247CEN	Revision 06/11/2007
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX Minilyse LMG 1L
Product code:	Ref. ABX: 0702010
1.2. Use of the product	
Erythrocyte lysing reagent for white blood cell counting and differentiation, and hemoglobin determination.	
1.3. 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 Email: documentation@fr.abx.fr
1.4. Emergency phone number	
	Contact the nearest first-aid station

2. Hazards identification	
Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No	
Most important hazards:	Harmful if inhaled, swallowed or in contact with skin.
Specific risks	Extremely toxic cyanide acid fumes may be formed when in contact with an acid.

3. Composition/information on ingredients					
3.1. Description of the kit					
	REAGENT : 1 x 1L : Lysing agent				
3.2. Hazardous ingredients (name, concentration)					
CAS N.	Name	Concentration	Symbol	Risk	Registration number
	Quaternary Ammonium Salt Potassium cyanide	< 20% < 0.1%	Xi, N T+, N	R36/37/38, R50 R26/27/28, R32, R50/53	

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4. First-aid-measures	
Inhalation:	Provide fresh air.
Skin contact:	Wash skin with water and soap.
Eye contact:	Immediately wash eyes, also under the eyelids, with water for at least 15 minutes. Get medical attention.
Ingestion:	If patient is conscious, rinse out mouth and throat thoroughly with water. Provide artificial respiration with added oxygen in case of intoxication by cyanidric acid. Get medical attention.

5. Fire-fighting measures : Product non flammable	
Extinguishing media:	Use whatever is required for the surrounding area.
Specific risks:	None determined.
Special protective equipment:	None.
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:	Neutralize with sodium hypochlorite solution. After neutralisation, soak up but do not throw down the sink (incineration).

7. Handling and storage	
7.1. Handling	
Technical measures:	None determined.
Precautions:	The usual laboratory precautions should be observed.
Handling recommendations:	Avoid contact with the eyes, skin and respiratory tract.
7.2. Storage	
Technical measures:	No special requirements.
Storage conditions:	Store in airtight containers, protected from light, at 18-25°C.
Incompatible materials:	Avoid all contact with acids or aqueous acid environments as extremely toxic cyanide acid fumes may be formed.
Packaging materials:	Polyethylene or other plastic.

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8. Exposure controls/personal protection	
8.1. Exposure limit values	
Specific control parameters:	None determined.
8.2. Exposure controls	
8.2.1. Occupational exposure controls	
Technical measures:	Use general room ventilation.
Respiratory protection:	None required.
Hand protection:	Protective gloves.
Eye protection:	Safety goggles.
Skin protection:	Lab coat.
Hygiene measures:	Wash hands before and after use. Eye wash and safety shower in case of prolonged handling.
8.2.2. Environmental exposure controls	
Not determined	

9. Physical and chemical properties			
9.1. General information			
Physical state:	Liquid, aqueous solution		
Colour:	Colourless	Odour:	Smells of cyanide
9.2. Important health, safety and environmental information			
pH:	10 (+/- 0.5)	Relative density:	Not determined
Boiling point:	Not determined	Solubility:	Miscible with water
Flash point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	Not determined	Viscosity:	Not determined
Explosive properties:	Not determined	Vapour density:	Not determined
Oxidizing properties:	Not determined	Evaporation rate:	Not determined
9.3. Other information			
Not determined			

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10. Stability and reactivity

Conditions to avoid:	Avoid all contact with the following reagents : ABX Basolyse, ABX Basolyse II. Avoid all contact with acids or aqueous acid environments as extremely toxic cyanide acid fumes may be formed.
Materials to avoid:	None determined.
Hazardous decomposition products:	Cyanide acid fumes formed upon contact with acids.
Other data:	None.

11. Toxicological information

Acute toxicity:	The danger of serious intoxication exists in case of absorption or inhalation. Potassium cyanide : LD50 oral rat : 10 mg/kg
Chronic toxicity:	Not determined.
Inhalation:	Not determined.
Skin contact:	Not determined.
Eye contact:	Not determined.
Ingestion:	Not determined.
Other data:	None.

12. Ecological information

12.1. Ecotoxicity:	Not determined.
12.2. Mobility:	The product is dangerous in water and toxic to fish and plancton. KCN in its pure state is extremely toxic to fish. LC50 leuciscus idus "forma orfus" : 0.07 - 1 mg/L.
12.3. Degradability:	Not determined.
12.4. Bioaccumulative potential:	Not determined.
12.5. Results of PBT assessment:	Not determined.
12.6. Other hazardous effects:	Not determined.

13. Disposal considerations

Surplus or waste (residues):	Neutralize the product (see procedure as described in §6) before discarding. The product must be disposed of as a laboratory chemical according to local regulations.
Contaminated packaging:	Incineration.

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14. Transport information (International regulations)	
General information:	None.
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
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	
None	
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. The user must accept the sole responsibility and take precautions accordingly for the use of this product.</p>	
16.4. Sources of key data	
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16.5. Revision	
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ABX Minidil LMG 10L	A91A00218CEN	Revision 06/11/2007
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX Minidil LMG 10L
Product code:	Ref. ABX: 0802010
1.2. Use of the product	
Buffered isotonic solution for the determination of blood cell counting and the measurement of hematocrit on HORIBA ABX blood cell counters.	
1.3. 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 Email: documentation@fr.abx.fr
1.4. Emergency phone number	
	Contact the nearest first-aid station

2. Hazards identification	
Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No	
Most important hazards:	None.
Specific risks	May be harmful if swallowed and can induce vomiting, fainting and diarrhoea. Irritates the skin in case of prolonged contact.

3. Composition/information on ingredients					
3.1. Description of the kit					
	REAGENT : 1 x 10L: Stabilised saline solution used as a diluent				
3.2. Hazardous ingredients (name, concentration)					
CAS N.	Name	Concentration	Symbol	Risk	Registration number
	Sodium fluoride	<3%	T	R25-32-36/38	
	Dimethylolurea	0.1%	T	R23/24/25-34-40-43	
	Sodium azide	<0.1%	T+, N	R28-32-50/53	
	Sodium hydroxide	<1%	C	R35	

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4. First-aid-measures	
Inhalation:	No specific 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 and induce vomiting. Get medical attention in case of fainting.

5. Fire-fighting measures : Product non flammable	
Extinguishing media:	Use whatever is required for the surrounding area.
Specific risks:	None determined.
Special protective equipment:	None.
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:	Soak up and put in the waste. Wash the affected area with water.

7. Handling and storage	
7.1. Handling	
Technical measures:	No special requirements.
Precautions:	The usual laboratory precautions should be observed.
Handling recommendations:	Wear gloves in case of prolonged handling.
7.2. Storage	
Technical measures:	No special requirements.
Storage conditions:	Store protected from light at 18-25°C.
Incompatible materials:	None
Packaging materials:	Not determined

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8. Exposure controls/personal protection	
8.1. Exposure limit values	
Specific control parameters:	None determined.
8.2. Exposure controls	
8.2.1. Occupational exposure controls	
Technical measures:	Use general room ventilation.
Respiratory protection:	None required.
Hand protection:	Protective gloves.
Eye protection:	Safety goggles.
Skin protection:	Lab coat.
Hygiene measures:	Wash hands before and after use.
8.2.2. Environmental exposure controls	
Not determined	

9. Physical and chemical properties			
9.1. General information			
Physical state:	Liquid		
Colour:	Colourless	Odour:	Odourless
9.2. Important health, safety and environmental information			
pH:	7.0 +/-0.1	Relative density:	Not determined
Boiling point:	Not determined	Solubility:	Aqueous solution miscible with water
Flash point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	Non-flammable	Viscosity:	Not determined
Explosive properties:	Not determined	Vapour density:	Not determined
Oxidizing properties:	Not determined	Evaporation rate:	Not determined
9.3. Other information			
Not determined			

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10. Stability and reactivity

Conditions to avoid:	Not determined.
Materials to avoid:	Sodium azide may react with Pb and Cu and form dangerous material, metal azide product.
Hazardous decomposition products:	Not determined.
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:	None.

12. Ecological information

12.1. Ecotoxicity:	Not determined.
12.2. Mobility:	Not determined.
12.3. Degradability:	Biodegradability > 90%.
12.4. Bioaccumulative potential:	Not determined.
12.5. Results of PBT assessment:	Not determined.
12.6. Other hazardous effects:	None determined.

13. Disposal considerations

Surplus or waste (residues):	This reagent contains less than 0.1% 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. The product must be disposed of as a laboratory chemical according to local regulations.
Contaminated packaging:	Incineration. Dispose of according to local regulations.

ABX Minidil LMG 10L	A91A00218CEN	Revision 06/11/2007
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14. Transport information (International regulations)	
General information:	None.
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
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	
None	
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. The user must accept the sole responsibility and take precautions accordingly for the use of this product.</p>	
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