

ABX VET Pack	A91A00712BEN	16/02/2009
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX VET Pack
Product code:	Ref. HORIBA Medical : 0604052
1.2. Use of the product	
SEE SAFETY DATA SHEET ATTACHED (3)	
1.3. Company identification	
	HORIBA ABX SAS - 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					
	ABX VET Pack is composed of : 0.5L ABX VET Pack - R1 : Cleaning solution 0.3L ABX VET Pack - R2 : Lysing solution 3.4L ABX VET Pack - R3 : Buffered solution used as diluent				
3.2. Hazardous ingredients (name, concentration)					
CAS N.	Name	Concentration	Symbol	Risk	Registration number
SEE SAFETY DATA SHEET ATTACHED (3)					

FORM-0307-A, revision 6

ABX VET Pack - R1	A91A00719BEN	16/02/2009
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX VET Pack - R1
Product code:	Ref. HORIBA Medical : 0604052
1.2. Use of the product	
Enzymatic solution with proteolytic action for the cleaning of blood cell counters.	
1.3. Company identification	
	HORIBA ABX SAS - 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 0.5L 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 :	
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 5-25°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 VET Pack - R2	A91A00720BEN	16/02/2009
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX VET Pack - R2
Product code:	Ref. HORIBA Medical : 0604052
1.2. Use of the product	
Erythrocyte lysing agent for white blood cell counting and differentiation and hemoglobin determination.	
1.3. Company identification	
	HORIBA ABX SAS - 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. Irritates the skin in case of prolonged handling.

3. Composition/information on ingredients					
3.1. Description of the kit					
	REAGENT : 1 x 0.3L : Lysing agent				
3.2. Hazardous ingredients (name, concentration)					
CAS N.	Name	Concentration	Symbol	Risk	Registration number
	Quaternary Ammonium Salt	< 20%	Xi, N	R36/37/38, R50	
	Surfactant	0.2%	Xi	R36/37	
	Sodium Carbonate	0.2%	Xi	R36	
	Preservative	< 25%	Xn	R22, R36/38	

ABX VET Pack - R2	A91A00720BEN	16/02/2009
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4. First-aid-measures

Inhalation:	Make the victim inhale fresh air.
Skin contact:	Wash skin abundantly with water and soap.
Eye contact:	Immediately wash eyes, also under the eyelids, with water for at least 15 minutes.
Ingestion:	Rinse out mouth with water and induce vomiting if victim is conscious. Get medical attention in case of fainting.

5. Fire-fighting measures :

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 the product and put in the waste. Wash the affected area with water.

7. Handling and storage

7.1. Handling

Technical measures:	Avoid all contact with the skin, eyes and respiratory tract.
Precautions:	The usual laboratory precautions should be observed.
Handling recommendations:	Wear gloves and protective goggles. Always handle the product in a well-ventilated area.

7.2. Storage

Technical measures:	No special requirements.
Storage conditions:	Store in an airtight recipient at 5-25°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. 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		
Colour:	Yellowish	Odour:	Not determined
9.2. Important health, safety and environmental information			
pH:	10.5 +/- 0.5	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			

ABX VET Pack - R2	A91A00720BEN	16/02/2009
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10. Stability and reactivity	
Conditions to avoid:	Expiry date.
Materials to avoid:	Not determined.
Hazardous decomposition products:	Not classified.
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):	Neutralize the product (see procedure as described in §6) before discarding.
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>	
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16.5. Revision	
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ABX VET Pack - R3	A91A00721BEN	16/02/2009
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX VET Pack - R3
Product code:	Ref. HORIBA Medical : 0604052
1.2. Use of the product	
Buffered isotonic solution for the determination and the differentiation of blood cells, and the measurement of hematocrit.	
1.3. Company identification	
	HORIBA ABX SAS - 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 3.4L: 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	

ABX VET Pack - R3	A91A00721BEN	16/02/2009
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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 :	
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 5-25°C.
Incompatible materials:	None
Packaging materials:	Not determined

ABX VET Pack - R3	A91A00721BEN	16/02/2009
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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			

ABX VET Pack - R3	A91A00721BEN	16/02/2009
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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 VET Pack - R3	A91A00721BEN	16/02/2009
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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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16.5. Revision	
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