

Safety Data Sheet - SDS

according to Regulation (EC) No.1907/2006 (Ammended)

Fibrinogen Determinaton Kit (Clauss)

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY.

1.1 Product Identifiers.

Product name : Fibrinogen Determinaton Kit (Clauss).
Product codes : FIBC440
Index Number : 647-014-00-9
REACH No. : Not required due to exemption from registration (below the annual tonnage for downstream user).
CAS Number : 9002-04-4.

1.2 Identified uses: Used for the quantitative determination of Fibrinogen concentration.

1.3 Company : **Diagnostic Reagents Ltd.**



**Diagnostic
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Limited**

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Thame,
Oxon, OX9 3NY,
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1.4 Emergency Tel: **+44(0)1844 212426 (Monday to Friday, 09.00 to 17.00)**

2. HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture according to regulation (EC) No 1272/2008.

Eye Irritation (Category 2), H319
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335.
Skin Irritation (Category 2), H315.
Respiratory sensitisation (Category 1), H334.

A full list of the relevant H-Statements mentioned in this section are listed in section 16

2.2 Label Elements :

Labelling according to Regulation (EC) No 1272/2008.

Pictogram



Signal Word Danger

Hazard Statement(s)

H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H335 May cause respiratory irritation.

Precautionary Statement(s)

P261 Avoid breathing dust.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or

2.3 Other hazards Please see SDS sheets for other components contained in the kit which can be found below. Other kit components include Concentrated Imidazole Buffer (IMBX600) and Fibrinogen Standard Plasma (FSPX450).

3. COMPOSITION / INFORMATION ON INGREDIENTS.

3.1 Substances.

Synonyms : Factor IIa.

Component	Classification	Concentration
Thrombin - Bovine CAS No. 9002-04-4 EC No. 232-648-7 Index No. 647-014-00-9	Eye Irrit. 2; STOT SE 3; Skin Irrit.2; Resp. Sens. 1; H315, H319, H334, H335	20 Units/mL

4. FIRST AID MEASURES.

4.1 Description of first aid measures.

4.1.1 First Aid Instructions.

Consult a physician. Show this SDS to the doctor in attendance.

If inhaled.

Move the person into fresh air. If not breathing give artificial respiration. Consult a physician.

In case of skin contact.

Wash the area with soap and plenty of water. If a reaction occurs consult a physician.

In case of eye contact.

Rinse the eye thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed.

Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.

4.1.2 Specific First Aid Advice

Immediate medical attention is not required after exposure, no delayed effects can be expected. Movement of the exposed individual from the area to fresh air not required. Removal and handling of clothing and shoes is not required. Personal Protective equipment for first aid responders is not a

4.2 Most important symptoms and effects, both acute and delayed.

Bovine thrombin is involved in blood clotting. There are currently no chemical, physical and toxicological properties that have been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed.

No data available.

5. FIRE FIGHTING MEASURES.**5.1 Extinguishing media.****Suitable extinguishing media.**

Water Spray, alcohol-resistant foam, dry chemical or Carbon dioxide.

5.2 Special Hazards arising from the substance or mixture.

Nature of decomposition products not known.

5.3 Advice for firefighters.

When entering any fire, please ensure the correct protective clothing and self contained breathing apparatus are worn.

5.4 Further information.

No data available.

6. ACCIDENTAL RELEASE MEASURES.**6.1 Personal Precautions****6.1.1 Personal precautions, protective equipment and emergency procedures for non-emergency personnel.**

Use personal protective equipment. Avoid dust formation. Avoid inhaling dust. Ensure adequate ventilation. Evacuate personnel to a safe area if necessary.

6.1.2 Personal Precautions, protective equipment and emergency procedures for emergency responders.

None required.

6.2 Environmental precautions.

Don not allow product to enter the drains.

6.3 Methods and materials for containment and cleaning up.

Sweep up and shovel, or vacuum, creating as little dust as possible. Once contained, hold in suitable, closed container for disposal.

6.4 Reference to other sections.

For disposal see section 13.

7. HANDLING AND STORAGE.

7.1 Precautions for safe handling.

Avoid skin and eye contact. Avoid dust and aerosol formation. Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to manufacturers instruction in a cool place. Keep container tightly closed when storing. The recommended storage temperature is -20°C.

7.3 Specific end use(s).

Apart from those uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROL / PERSONAL PROTECTION.

8.1 Control Parameters.

Components with workplace control parameters.

Contains no substances with occupational exposure limits.

8.2 Exposure controls.

Appropriate engineering controls.

Handle in accordance with good laboratory practice. Wash hands before breaks and immediately after handling this product.

8.2.2 Individual protection measures, such as Personal Protective Equipment (PPE).

Eye/face protection.

A face shield or safety glasses. Use equipment tested and approved by government standards such as EN 166 (EU) or NIOSH (US).

Skin protection.

Handle with gloves. Gloves should be thoroughly checked before use. Use correct glove removal technique to avoid skin contact with this product. Dispose of any used gloves in accordance with applicable laws and Good Laboratory Practice (GLP).

Wash and dry hands thoroughly after use.

Protective gloves should adhere to the specifications detailed in EU directive 89/686/EEC and the derived standard EN374. A experienced Safety Officer should conduct a thorough assessment of any procedure using this product before

Body Protection.

Wear impervious protective clothing, including boots, gloves, lab coat, apron or overalls as appropriate, to prevent skin contact. The extend of the protective equipment must be selected according to the concentration and the amount of substance being used.

Respiratory protection.

For nuisance exposures use type N95 (US) or type P1 (EU EN143). Use respirators and components tested and approved under appropriate government standards such as

9. PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic chemical and physical properties.

a) Physical state:	Lyophilised cake	j) Decomposition temp:	Not available.
b) Colour:	White	k) pH:	Not available.
c) Odour:	Odourless.	l) Kinematic viscosity:	Not applicable.
d) Melting/freezing point	Not available.	m) Solubility:	Complete in water
e) Boiling point/range:	Not available.	n) Partition coefficient:	Not available.
f) Flammability:	Not available.	o) Vapour pressure:	Not available.
g) Lower and Upper explosion limit:	Not applicable.	p) Density	Not available.
h) Flash Point:	Not available.	q) Relative vapour density:	Not available.
i) Auto-Ignition Temp. :	Not applicable.	r) Particle characteristics	Not available.

Other information: Not available.

10. STABILITY AND REACTIVITY.

10.1 Reactivity

No data available

10.2 Chemical Stability

No data available.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid:

No data available.

10.5 Materials to avoid:

Strong oxidising agents..

10.6 Hazardous decomposition products

Other decomposition products - no data available.

11. TOXICOLOGICAL INFORMATION.

11.1 Information on toxicological effects

Acute toxicity:

LD50 Dermal - mouse - > 3,000 mg/kg.

Remarks: Behavioral: Somnolence (general depressed activity). Lungs, Thorax or Respiration: Dyspnea

Skin and Appendages: Other: Hair.

Skin corrosion/irritation

No data available.

Serious eye damage/irritation.

No data available.

Respiratory or skin sensitisation.

No data available.

Germ cell mutagenicity.

Genotoxicity in vitro - mouse - fibroblast.
Morphological transformation.

Genotoxicity in vitro - Chicken - Embryo
Unscheduled DNA synthesis.

Carcinogenicity.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity.

No data available.

Specific target organ toxicity - single exposure.

No data available.

Specific target organ toxicity - repeated exposure.

No data available.

Aspiration hazard.

No data available.

Potential health effects.

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes serious eye irritation.

Signs and Symptoms of Exposure.

Bovine thrombin is involved in blood clotting. There are currently no chemical, physical and toxicological properties that have been thoroughly investigated.

Additional information.

RTECS: XO8950000.

12. ECOLOGICAL INFORMATION**12.1 Toxicity.**

No data available.

12.2 Persistence/Biodegradability.

No data available.

12.3 Bioaccumulation potential.

No data available.

12.4 Mobility in soil.

No data available.

12.5 Other adverse effects.

No data available.

13. DISPOSAL CONSIDERATIONS.**13.1 Waste Treatment methods.****Product.**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator with an afterburner and scrubber.

Contaminated Packaging.

Dispose of as an unused product.

14. TRANSPORT INFORMATION.**RID/ADR:**

UK Road Class:	-	UK Road Packaging Group:	-
UN No. (Road):	-	RID Class No.	-
Proper Shipping Name:	Not dangerous goods.	RID Pack Group:	-
		CEPIC TEC-R No.	-
Hazchem Code:	-	ADR Class:	-
ADR Class No.	-	ADR Label No:	-
ADR Pack Group:	-		

IMDG:

IMDG Class:	-	IMDG Pack Group:	-
UN No. (Sea):	-	MFAG:	-
Proper Shipping Name:	Not dangerous goods.	IMDG Page No:	-
EMS:	-		
Marine pollutant:	-		

IATA:

Air Class:	-	Air Pack Group:	-
UN Air No.	-		
Proper Shipping Name:	Not dangerous goods.		

14.6 Special precautions for user.

None.

15. REGULATORY INFORMATION.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.
no data available

15.2 Chemical Safety Assessment.

A chemical safety assessment has not been carried out for this product.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Eye Irrit.	Eye irritation.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
Resp. Sens	Respiratory sensitisation.
Skin Irrit.	Skin irritation.
STOT SE	Specific target organ toxicity - single exposure.

Further Information

Cattle used in the production of thrombin from bovine plasma have passed both ante and post mortem inspection and have been passed fit for human consumption. Normal precautions should still be observed for potentially infectious material. All the above information is based on current knowledge at the time of publication and follows stipulated regulations. Diagnostic Reagents Ltd is not responsible for any errors or lack of information given in the above literature. The information contained in this SDS does not constitute an assessment of work place risks and is intended only as a guide to the appropriate precautionary handling of a material by a trained person using this product. The customer should undertake a formal COSHH assessment which should ensure that employees are aware of the hazards / precautions detailed in this SDS. The COSHH assessment should ensure that the recommended safety equipment is available and where applicable, that the exposure limits are not being exceeded. Diagnostic Reagents Ltd will not therefore be responsible for damages resulting from use of or reliance upon this information.

Safety Data Sheet - SDS

according to Regulation (EC) No.1907/2006 (Ammended)

Concentrated Imidazole Buffer

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY.

1.1 Product Identifiers.

Product name : Concentrated Imidazole Buffer (x 5 strength).
Product codes : Not sold seperately, part of the Fibrinogen Determination Kit.
Index Number : Not indexed in regulation (EC) No.1272/2008.
REACH No. : Not required due to exemption from registration (below the annual tonnage for downstream user).
CAS Number : Not indexed.

1.2 Identified uses: A buffering agent for use in coagulation.

1.3 Company : **Diagnostic Reagents Ltd.**



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2. HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture according to regulation (EC) No 1272/2008 (EC-GHS/CLP).

Not a dangerous substance according to GHS.

2.2 Label Elements :

Labelling according to Regulation (EC) No 1272/2008 (CLP).

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards

None.

3. COMPOSITION / INFORMATION ON INGREDIENTS.

3.1 N/A.

3.2 Mixtures.

No components need to be disclosed according to GHS/CLP.

4. FIRST AID MEASURES.**4.1 Description of first aid measures.****4.1.1 First Aid Instructions.**

Consult a physician. Show this SDS to the doctor in attendance.

If inhaled.

Move the person into fresh air. If not breathing give artificial respiration. Consult a physician.

In case of skin contact.

Wash the area with soap and plenty of water. If a reaction occurs consult a physician.

In case of eye contact.

Rinse the eye thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed.

Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.

4.1.2 Specific First Aid Advice

Immediate medical attention is not required after exposure, no delayed effects can be expected. Movement of the exposed individual from the area to fresh air not required. Removal and handling of clothing and shoes is not required. Personal Protective equipment for first aid responders is not a

4.2 Most important symptoms and effects, both acute and delayed.

There are currently no chemical, physical or toxicological properties that have been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed.

No data available.

5. FIRE FIGHTING MEASURES.**5.1 Extinguishing media.****Suitable extinguishing media.**

Water Spray, alcohol-resistant foam, dry chemical or Carbon dioxide.

5.2 Special Hazards arising from the substance or mixture.

Nature of decomposition products not known.

5.3 Advice for firefighters.

When entering any fire, please ensure the correct protective clothing and self contained breathing apparatus are worn.

5.4 Further information.

No data available.

6. ACCIDENTAL RELEASE MEASURES.**6.1 Personal Precautions****6.1.1 Personal precautions, protective equipment and emergency procedures for non-emergency personnel.**

Use personal protective equipment. Avoid dust formation. Avoid inhaling dust. Ensure adequate ventilation. Evacuate personnel to a safe area if necessary.

6.1.2 Personal Precautions, protective equipment and emergency procedures for emergency responders.

None required.

6.2 Environmental precautions.

Do not allow product to enter the drains.

6.3 Methods and materials for containment and cleaning up.

Sweep up and shovel, or vacuum, creating as little dust as possible. Once contained, hold in suitable, closed container for disposal.

6.4 Reference to other sections.

For handling and disposal see sections 8 and 13.

7. HANDLING AND STORAGE.**7.1 Precautions for safe handling.**

Avoid skin and eye contact. Avoid dust and aerosol formation. Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to manufacturers instruction in a cool place. Keep container tightly closed when storing. The recommended storage temperature is 2 - 8°C.

7.3 Specific end use(s).

Apart from those uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROL / PERSONAL PROTECTION.**8.1 Control Parameters.****Components with workplace control parameters.**

This product contains no component with a Workplace Exposure Limit (WELs).

8.2 Exposure controls.**Appropriate engineering controls.**

Handle in accordance with good laboratory practice (GLP). Wash hands before breaks and immediately after handling this product.

8.2.2 Individual protection measures, such as Personal Protective Equipment (PPE).**Eye/face protection.**

A face shield or safety glasses. Use equipment tested and approved by government standards such as EN 166 (EU) or NIOSH (US).

Skin protection.

Handle with gloves. Gloves should be thoroughly checked before use. Use correct glove removal technique to avoid skin contact with this product. Dispose of any used gloves in accordance with applicable laws and Good Laboratory Practice (GLP).

Wash and dry hands thoroughly after use.

Protective gloves should adhere to the specifications detailed in EU directive 89/686/EEC and the derived standard EN374. A experienced Safety Officer should conduct a thorough assessment of any procedure using this product before

Body Protection.

Wear impervious protective clothing, including boots, gloves, lab coat, apron or overalls as appropriate, to prevent skin contact. The extend of the protective equipment must be selected according to the concentration and the amount of substance being used.

Respiratory protection.

For nuisance exposures use type N95 (US) or type P1 (EU EN143). Use respirators and components tested and approved under appropriate government standards such as

9. PHYSICAL AND CHEMICAL PROPERTIES.**9.1 Information on basic chemical and physical properties.**

a) Physical state:	Liquid	j) Decomposition temp:	Not available.
b) Colour:	Colourless (Clear)	k) pH:	7.3
c) Odour:	Odourless.	l) Kinematic viscosity:	Not applicable.
d) Melting/freezing point	Not available.	m) Solubility:	Not applicable.
e) Boiling point/range:	Not available.	n) Partition coefficient:	Not available.
f) Flammability:	Non-Flammable	o) Vapour pressure:	Not available.
g) Lower and Upper explosion limit:	Not applicable.	p) Density	Not available.
h) Flash Point:	Not available.	q) Relative vapour density:	Not available.
i) Auto-Ignition Temp. :	Not applicable.	r) Particle characteristics	Not available.
Other information:	Not available.		

10. STABILITY AND REACTIVITY.**10.1 Reactivity**

No data available

10.2 Chemical Stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid:

Temperatures above 25°C.

10.5 Materials to avoid:

Strong oxidising agents..

10.6 Hazardous decomposition products

Other decomposition products - no data available.

11. TOXICOLOGICAL INFORMATION.**11.1 Information on toxicological effects****Acute toxicity:**

No data available.

Skin corrosion/irritation

No data available.

Serious eye damage/irritation.

No data available.

Respiratory or skin sensitisation.

No data available.

Germ cell mutagenicity.

No Data Available.

Carcinogenicity.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity.

No data available.

Specific target organ toxicity - single exposure.

No data available.

Specific target organ toxicity - repeated exposure.

No data available.

Aspiration hazard.

No data available.

Potential health effects.**Inhalation**

May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion

May be harmful if swallowed.

Skin

May cause skin irritation.

Eyes

May cause eye irritation.

Signs and Symptoms of Exposure.

There are currently no chemical, physical and toxicological properties that have been thoroughly investigated.

Additional information.

RTECS: N/A

12. ECOLOGICAL INFORMATION**12.1 Toxicity.**

No data available.

12.2 Persistence/Biodegradability.

No data available.

12.3 Bioaccumulation potential.

No data available.

12.4 Mobility in soil.

No data available.

12.5 Other adverse effects.

No data available.

13. DISPOSAL CONSIDERATIONS.**13.1 Waste Treatment methods.****Product.**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator with an afterburner and scrubber.

Contaminated Packaging.

Dispose of as an unused product.

14. TRANSPORT INFORMATION.

RID/ADR:			
UK Road Class:	-	UK Road Packaging Group:	-
UN No. (Road):	-	RID Class No.	-
Proper Shipping Name:	Not dangerous goods.	RID Pack Group:	-
		CEPIC TEC-R No.	-
Hazchem Code:	-	ADR Class:	-
ADR Class No.	-	ADR Label No:	-
ADR Pack Group:	-		
IMDG:			
IMDG Class:	-	IMDG Pack Group:	-
UN No. (Sea):	-	MFAG:	-
Proper Shipping Name:	Not dangerous goods.	IMDG Page No:	-
EMS:	-		
Marine pollutant:	-		
IATA:			
Air Class:	-	Air Pack Group:	-
UN Air No.	-		
Proper Shipping Name:	Not dangerous goods.		

14.6 Special precautions for user:

No data available.

15. REGULATORY INFORMATION.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

No data available.

15.2 Chemical Safety Assessment.

A chemical safety assessment has not been carried out for this product.

16. OTHER INFORMATION**Further Information**

All the above information is based on current knowledge at the time of publication and follows stipulated regulations. Diagnostic Reagents Ltd is not responsible for any errors or lack of information given in the above literature. The information contained in this SDS does not constitute an assessment of work place risks and is intended only as a guide to the appropriate precautionary handling of a material by a trained person using this product. The customer should undertake a formal COSHH assessment which should ensure that employees are aware of the hazards / precautions detailed in this SDS. The COSHH assessment should ensure that the recommended safety equipment is available and where applicable, that the exposure limits are not being exceeded. Diagnostic Reagents Ltd will not therefore be responsible for damages resulting from use of or reliance upon this information.

Safety Data Sheet - SDS

according to Regulation (EC) No.1907/2006 (Ammended)

Fibrinogen Standard Plasma

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY.

1.1 Product Identifiers.

Product names/codes: FSPX450 - Fibrinogen Standard Plasma

Index Number : Not indexed in regulation (EC) No.1272/2008.

REACH No. : Not required due to exemption from registration (below the annual tonnage for downstream user).

CAS Number : Not indexed.

1.2 Identified uses: Used in blood coagulation as a reference in the quantitative determination of Fibrinogen in citrated human plasma.

1.3 Company : Diagnostic Reagents Ltd.



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2. HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture according to regulation (EC) No 1272/2008 (EC-GHS/CLP).

Not a dangerous substance according to GHS.

2.2 Label Elements :

Labelling according to Regulation (EC) No 1272/2008 (CLP).

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards

Potential biohazard, contains human source material. Handle as though capable of transmitting infectious agents. See section 16 for further information.

3. COMPOSITION / INFORMATION ON INGREDIENTS.**3.1 Substances.**

Synonyms : Citrated Human Plasma

Component	Classification	Concentration
Human Citrated Plasma CAS No. N/A EC No. N/A	Not classified.	≥99%

4. FIRST AID MEASURES.**4.1 Description of first aid measures.****4.1.1 First Aid Instructions**

The Product is miscible in water, washing the area with soap and water will remove any trace.

If inhaled.

Move the person into fresh air. If not breathing give artificial respiration.

In case of skin contact.

Wash the area with soap and plenty of water.

In case of eye contact.

Rinse the eye thoroughly as a precaution.

If swallowed.

Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.

4.1.2 Specific First Aid Advice

Immediate medical attention is not required after exposure, no delayed effects can be expected. Movement of the exposed individual from the area to fresh air not required. Removal and handling of clothing and shoes is not required. Personal Protective equipment for first aid responders is not a recommendation or requirement.

4.2 Most important symptoms and effects, both acute and delayed.

Human plasma is considered non hazardous, however all known symptoms and effects are described in the labelling (section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed.

No data available.

5. FIRE FIGHTING MEASURES.**5.1 Extinguishing media.****Suitable extinguishing media.**

Water Spray, alcohol-resistant foam, dry chemical or Carbon dioxide.

5.2 Special Hazards arising from the substance or mixture.

Nature of decomposition products not known.

5.3 Advice for firefighters.

When entering any fire, please ensure the correct protective clothing and self contained breathing apparatus are worn.

5.4 Further information.

No data available.

6. ACCIDENTAL RELEASE MEASURES.**6.1 Personal Precautions****6.1.1 Personal precautions, protective equipment and emergency procedures for non-emergency personnel.**

Use personal protective equipment in accordance with Good Laboratory Practice (GLP). Avoid dust formation. Avoid inhaling dust. Ensure adequate ventilation.

6.1.2 Personal Precautions, protective equipment and emergency procedures for emergency responders.

None required.

6.2 Environmental precautions.

Do not allow product to enter the drains.

6.3 Methods and materials for containment and cleaning up.

Keep in suitable closed containers ready for disposal by incineration.

6.4 Reference to other sections.

For disposal see section 13.

7. HANDLING AND STORAGE.**7.1 Precautions for safe handling.**

Avoid skin and eye contact. Avoid dust and aerosol formation. The product should be treated as potentially infectious.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to manufacturers instruction in a cool place. Keep container tightly closed when storing. Store under inert gas. Moisture sensitive. The recommended storage temperature is 2 - 8°C.

7.3 Specific end use(s).

Apart from those uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROL / PERSONAL PROTECTION.**8.1 Control Parameters.****Components with workplace control parameters.**

This product contains no components with Workplace Exposure Limits (WELs).

8.2 Exposure controls.**Appropriate engineering controls.**

Handle in accordance with good laboratory practice. Wash hands before breaks and immediately after handling this product.

8.2.2 Personal protective equipment.**Eye/face protection.**

Eye protection is not necessary, however if required, use equipment tested and approved by government standards such as EN 166 (EU) or NIOSH (US).

Skin protection.

Handle with gloves. Gloves should be thoroughly checked before use. Use correct glove removal technique to avoid skin contact with this product. Dispose of any used gloves in accordance with applicable laws and Good Laboratory Practice (GLP).

Wash and dry hands thoroughly after use.

Protective gloves should adhere to the specifications detailed in EU directive 89/686/EEC and the derived standard EN374. A experienced Safety Officer should

Body Protection.

Wear impervious protective clothing, in this case a laboratory coat will suffice.

Respiratory protection.

Not required. For nuisance exposures use type P95 (US) or type P1 (EU EN143). Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES.**9.1 Information on basic chemical and physical properties.**

a) Physical state:	Lyophilised cake	j) Decomposition temp:	Not available.
b) Colour:	Straw	k) pH:	7.4
c) Odour:	Odourless.	l) Kinematic viscosity:	Not applicable.
d) Melting/freezing point	Not available.	m) Solubility:	Complete in water
e) Boiling point/range:	Not available.	n) Partition coefficient:	Not available.
f) Flammability:	Not available.	o) Vapour pressure:	Not available.
g) Lower and Upper explosion limit:	Not applicable.	p) Density	Not available.
h) Flash Point:	Not available.	q) Relative vapour density:	Not available.
i) Auto-Ignition Temp. :	Not applicable.	r) Particle characteristics	Not available.
Other information:	Not available.		

10. STABILITY AND REACTIVITY.**10.1 Reactivity**

No data available

10.2 Chemical Stability

Stable under recommended storage conditions (See relevant Label/Instruction for use).

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid:

Extreme heat.

10.5 Materials to avoid:

No data available.

10.6 Hazardous decomposition products

Other decomposition products - no data available.

11. TOXICOLOGICAL INFORMATION.**11.1 Information on toxicological effects****Acute toxicity:**

No data available.

Skin corrosion/irritation

No data available.

Serious eye damage/irritation.

No data available.

Respiratory or skin sensitisation.

No data available.

Germ cell mutagenicity.

No data available.

Carcinogenicity.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity.

No data available.

Specific target organ toxicity - single exposure.

No data available.

Specific target organ toxicity - repeated exposure.

No data available.

Aspiration hazard.

No data available.

Potential health effects.

Potential biohazard, contains human source material.

Additional information.

RTECS: Not available.

12. ECOLOGICAL INFORMATION**12.1 Toxicity.**

No data available.

12.2 Persistence/Biodegradability.

No data available.

12.3 Bioaccumulation potential.

No data available.

12.4 Mobility in soil.

No data available.

12.5 Other adverse effects.

No data available.

13. DISPOSAL CONSIDERATIONS.**13.1 Waste Treatment methods.****Product.**

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated Packaging.

Dispose of as an unused product.

14. TRANSPORT INFORMATION.

RID/ADR:			
UK Road Class:	-	UK Road Packaging Group:	-
UN No. (Road):	-	RID Class No.	-
Proper Shipping Name:	Not dangerous goods.	RID Pack Group:	-
Hazchem Code:	-	CEPIC TEC-R No.	-
ADR Class No.	-	ADR Class:	-
ADR Pack Group:	-	ADR Label No:	-

IMDG:			
IMDG Class:	-	IMDG Pack Group:	-
UN No. (Sea):	-	MFAG:	-
Proper Shipping Name:	Not dangerous goods.	IMDG Page No:	-
EMS:	-		
Marine pollutant:	-		

IATA:			
Air Class:	-	Air Pack Group:	-
UN Air No.	-		
Proper Shipping Name:	Not dangerous goods.		

14.6 Special precautions for user.

No data available.

15. REGULATORY INFORMATION.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

No data available.

15.2 Chemical Safety Assessment.

A chemical safety assessment has not been carried out for this product.

16. OTHER INFORMATION**Further Information**

Diagnostic Reagents plasmas are prepared from human plasma donations each of which have been individually tested and found to be negative for Hbs antigen, HCV and HIV antibodies by approved test methods. We recommend normal precautions should be taken for handling and disposal of potentially infectious material. All the above information is based on current knowledge at the time of publication and follows stipulated regulations. Diagnostic Reagents Ltd is not responsible for any errors or lack of information given in the above literature. The information contained in this SDS does not constitute an assessment of work place risks and is intended only as a guide to the appropriate precautionary handling of a material by a trained person using this product. The customer should undertake a formal COSHH assessment which should ensure that employees are aware of the hazards / precautions detailed in this SDS. The COSHH assessment should ensure that the recommended safety equipment is available and where applicable, that the exposure limits are not being exceeded. Diagnostic Reagents Ltd will not therefore be responsible for damages resulting from use of or reliance upon this information.