

# Safety Data Sheet - SDS

according to Regulation (EC) No.1907/2006

## Freeze Dried Rabbit Brain Thromboplastin

### 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY.

#### 1.1 Product Identifiers.

**Product name:** Freeze Dried Rabbit Brain Thromboplastin.  
**Product codes:** FRBT010 (5 mL).  
**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 to test the Prothrombin Time (PT) of a subject.

#### 1.3 Company:



**Diagnostic  
Reagents  
Limited**

**Diagnostic Reagents Ltd.**  
Wenman Road,  
Thame,  
Oxon, OX9 3NY,  
UK.

**Telephone:** +44(0)1844 212426  
**Email:** [sds@diagen.co.uk](mailto:sds@diagen.co.uk)

**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 (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

Freeze Dried Rabbit Brain Thromboplastin contains ingredients derived from lapine brain. All material has been processed from animals passed fit for human consumption, it is however recommended that standard precautions are taken, as for any potentially infectious material.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS.

#### 3.1 Substances.

Synonyms: Prothrombinase, Protombinasa, Thromboplastin, Factor III, Platelet Tissue Factor.

Component	Classification	Concentration
<b>Lapine Brain Extract</b> CAS No. 72162-96-0 EC No. 276-433-6	Not classified.	-

### 4. FIRST AID MEASURES.

#### 4.1 Description of first aid measures.

##### General Advice.

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 if irritation occurs consult a physician.

##### If swallowed.

Rinse mouth with water and large amounts of drink water. Never give anything by mouth to an unconscious person. Consult a physician.

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

Freeze Dried Rabbit Brain Thromboplastin 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, protective equipment and emergency procedures.**

Use personal protective equipment. Avoid dust formation. Avoid inhaling dust. Ensure adequate ventilation.

**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 vaccum, creating as little dust as possible. Once contained, hold in suitable, closed container for appropriate 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. 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 -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.

**8.3 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 conduct a thorough assessment of any procedure using this product before proceeding.

**Body Protection.**

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

**Respiratory protection.**

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	k) pH:	Not available.
b) Colour:	Off White	l) Kinematic viscosity:	Not available.
c) Odour:	Odourless	m) Solubility:	Soluble in water.
d) Melting/freezing point:	Not available	n) Partition coefficient:	Not available.
e) Boiling point:	Not available	o) Vapour pressure	Not available.
f) Flammability:	Not available	p) Density	Not available.
g) Lower and upper explosion limit:	Not available	q) Relative vapour density	Not available.
h) Flash point:	Not available	r) Particle characteristics	Not available.
i) Auto-ignition temperature:	Not available		
j) Decomposition	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:

Strong oxidising agents.

### 10.5 Materials to avoid:

None.

### 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.**

<b>Inhalation</b>	May be harmful if inhaled. Causes respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	May cause skin irritation.
<b>Eyes</b>	May cause eye irritation.

**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.**

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****Further Information**

Lapine material used in the production of our products 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 give 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.