



**MATERIAL SAFETY DATA SHEET**  
**Conforms to 91/155/EEC and 2001/58/EC**  
**MSDS No. 1102.007**

### **1. Identification of the preparation and the company**

1.1	Product name:	Thrombin Calibrator	20x1 ml	REF	TS20.00
		PPP-Reagent	20x1 ml	REF	TS30.00
		PPP-Reagent LOW	20x1 ml	REF	TS31.00
		PPP-Reagent HIGH	20x1 ml	REF	TS32.00
		PRP-Reagent	20x1 ml	REF	TS42.00
		MP-Reagent	20x1 ml	REF	TS60.00
		PPP-Reagent +/- TM:	20x1 ml PPP-Reagent	REF	TS70.00
			20x1 ml PPP-Reagent TM		
		FluCa-kit:	20x1.6 ml Fluo-Buffer	REF	TS50.00
			1x0.9 ml Fluo-Substrate		
1.2	Recommended use:	For Research Use Only. Not for use in diagnostic procedures.			
1.3	Manufacturer:	Thrombinoscope BV			
		Oude Maasstraat 47			
		6229 BC Maastricht, Netherlands			
		Tel: +31 43 3567892 / Fax: +31 43 3567899			
1.4	Emergency tel.:	+31 43 3567892			

### **2. Composition/information on ingredients**

Thrombin Calibrator	Citrate buffered saline, bovine proteins, saccharides.
PPP-Reagent	Recombinant human tissue factor, phospholipids, hepes buffered saline, saccharides.
PPP-Reagent LOW	Recombinant human tissue factor, phospholipids, hepes buffererd saline, saccharides.
PPP-Reagent HIGH	Recombinant human tissue factor, phospholipids, hepes buffered saline, saccharides.
PRP-Reagent	Recombinant human tissue factor, hepes buffererd saline, saccharides.
MP-Reagent	Phospholipids, hepes buffered saline, saccharides.
PPP-Reagent +/- TM	Recombinant human tissue factor, phospholipids, hepes buffered saline, saccharides, thrombomodulin.
FluCa-kit	Fluo-Buffer: Hepes buffered saline, calcium chloride, bovine serum albumin. Fluo-Substrate: Z-GGR-AMC, dimethylsulfoxide.

### **3. Hazards identification**

Hazard classification:	None
Human health hazards:	May be irritating to eyes or skin. Regarded as having very low health hazard. Presents little hazard if spilled or in fire.

### **4. First aid measures**

4.1	General:	In the case of an accident or if you feel unwell, seek medical advice.
4.2	Inhalation:	Not applicable.
4.3	Skin contact:	Wash with water and soap immediately.
4.4	Eye contact:	Rinse immediately with plenty of water. Keep eye wide open while rinsing. In case of persistent irritation seek medical advice.
4.5	Ingestion:	Rinse immediately with plenty of water. If swallowed, drink large quantities of water and seek medical advice.

### **5. Fire-fighting measures**

5.1	Extinguishing media:	Use extinguishing media appropriate for surrounding fire.
5.2	Further information:	The product itself is not flammable and does not present fire or explosion hazard.

### **6. Accidental release measures**

6.1	Personal precautions:	Wear gloves.
6.2	Methods for cleaning up:	Dilute with plenty of water. Neutralize with acid.

### **7. Handling and storage**

7.1	Handling:	Avoid contact with skin and eyes. Wear gloves. No special precautions.
7.2	Storage:	Store at + 2-8 °C Fluo-Substrate store at + 20-30 °C



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**8. Exposure controls/personal protection**

8.1 Ventilation: No particular ventilation requirements.  
8.2 Hand protection: Impervious gloves.  
8.3 Respiratory protection: No personal respiratory protection required.  
8.4 Eye protection: Eye protection is recommended.  
8.5 Protective clothing: Not necessary except gloves.  
8.6 General measures: Usual precautionary measures are to be adhered to when working with chemicals.

**9. Physical and chemical properties**

9.1 Appearance: Liquid, white powder.  
9.2 Color: Colorless liquid  
9.3 Solubility: Miscible with water.  
9.4 pH-value: 6-8

**10. Stability and reactivity**

10.1 Stability: See expiry date on label. After reconstitution see product insert and Thrombogram Guide.  
10.2 Hazardous reactions: None known if handled correctly.  
10.3 Hazardous decomposition products: None

**11. Toxicological information**

11.1 Acute toxicity: Not known.  
11.2 Skin effects: Not known.  
11.3 Eye effects: Not known.  
11.4 Further information: No cases of intoxication known so far.

Human plasma used for production of controls and standards is derived exclusively from donors who have been tested negative for antibodies against HIV, HCV, HBs antigen using approved test procedures. Nevertheless, human plasma should be considered as potentially infectious and handled with care.

**12. Ecological information**

12.1 Summary: This product is readily miscible with water and rated not toxic. Not known potential for bioaccumulation.

**13. Disposal consideration**

13.1 General information: Disposal should be done in accordance with existing disposal practices employed for biological materials. The product has to be disposed of as laboratory chemical in accordance with local regulations.

**14. Transport information**

14.1 General information: Transportation of the product is not regulated by ADR. Product should be handled with care. Fragile containers.

**15. Regulatory information**

15.1 EU regulations: Not regulated under the European Community Directive 93/21/EC.

**16. Other information**

This Material Safety Data Sheet complies with the European Community Directive 93/112/EC amended 91/155/EC and 2001/58/EC.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, no guarantees can be given that these are the only hazards.

This Material Safety Data Sheet characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.