



GTI DIAGNOSTICS®
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MATERIAL SAFETY DATA SHEET

(Based on EC regulation 1907/2006)

Art. Code: VP

Product Name: VWF & Propeptide Assay

1. INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

- 1.1 Product name VWF & Propeptide Assay
- Catalog # VP
- Kit components VWF Black Microwell Strips with holder
PRP Black Microwell Strips with holder
Concentrated Wash
Diluent
VWF Detection Antibody
Propeptide Detection Antibody
Streptavidin-HRP
Substrate A
Substrate B
Stopping Solution
Calibrator
- 1.2 Company GTI DIAGNOSTICS
Suite 200
20925 Crossroads Circle
Waukesha, WI 53186-4054 USA
Tel. (262) 754-1000
Toll Free Tel. (800) 233-1843
Fax. (262) 754-9831
e-mail: techsupport@gtidiagnostics.com
- 1.3 In emergencies After normal business hours, weekends, and holidays:
Call your local emergency center.
For Chemical Emergency Spill Leak Fire Exposure
or Accident call CHEMTREC
Domestic North America: 800-424-9300
International: 703-527-3887 (collect calls accepted)

2. HAZARDS IDENTIFICATION

- Concentrated Wash** May cause sensitization by skin contact.
- Calibrator** Human source materials are potentially infectious.
- Diluent, VWF Detection Antibody,
Propeptide Detection Antibody** May cause sensitization by skin contact.
Animal proteins are potentially infectious.



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3. COMPONENTS AND HAZARDOUS INGREDIENTS

Kit Components	Hazardous Ingredients	Classification Substance	EINECS NR.
VWF Black Microwell Strips PRP Black Microwell Strips	Contains bovine/murine proteins		
Concentrated Wash	0.25% Tween 20 0.05% ProClin 300 (*)	T, N, R23/24/25-34-43-50/53	(*)
VWF Detection Antibody	Contains murine proteins 0.05% ProClin 300 (*)	T, N, R23/24/25-34-43-50/53	(*)
Propeptide Detection Antibody	Contains murine proteins 0.05% ProClin 300 (*)	T, N, R23/24/25-34-43-50/53	(*)
Diluent	0.05% ProClin 300 (*) Contains bovine proteins	T, N, R23/24/25-34-43-50/53	(*)
Substrate A	0.1-1% Tris Tris(hydroxymethyl)aminomethane	Xi; R36/37/38	
Substrate B	pHix Buffer Grade		
Calibrator	Contains material from human origin		

(*) ProClin 300 contains a dangerous ingredient: mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one at a concentration between 2.8 and 3.8%.

In the column classification substance, the classification of this ingredient is mentioned.

4. FIRST AID MEASURES

All Kit Components

Eye contact: - Rinse immediately with copious amounts of water for 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

- Do not apply neutralizing agents

- Consult a doctor/medical service if irritation persists

Skin contact: - Immediately wash skin with soap and copious amounts of water for at least 15 minutes

- Remove contaminated clothing and shoes.

- Consult a doctor/medical service if irritation persists

After inhalation: - Remove the victim into fresh air

- If not breathing give artificial respiration.

- If breathing is difficult, give oxygen.

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- Consult a doctor/medical service if breathing problems develop

After ingestion: - Wash out mouth with water provided person is conscious

- Call a physician

- Do not induce vomiting

5. FIRE FIGHTING MEASURES

All Kit Components

Suitable extinguishing media:

- Carbon dioxide, dry chemical powder, or appropriate foam.

Unsuitable extinguishing media:

- No data available

Special exposure hazards:

- Emits toxic fumes under fire conditions

Special protective equipment for firefighters :

- Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific methods for fire fighting:

- Do not direct a solid stream of water at burning materials as spattering may result.

6. ACCIDENTAL RELEASE MEASURES

Concentrated Wash, Diluent, VWF Detection Antibody, Propeptide Detection Antibody

Personal Protection:

- wear respirator, chemical safety goggles and heavy rubber gloves.

Clean-up:

- Absorb on sand or vermiculite and place in closed containers for disposal.

- When spilled, the floor may be slippery. Wipe up the floor completely.

Other Kit Components

Personal protection: see 8

Environmental precautions:

- Prevent soil and water pollution

- Discharge according to local regulations

Clean-up:

- Take up liquid spill into absorbent material

- Discharge of absorbed material according to local regulations

- Clean contaminated surfaces with an excess of water

- Wash clothing and equipment after handling



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7. HANDLING AND STORAGE

Concentrated Wash, Diluent, VWF Detection Antibody, Propeptide Detection Antibody

Handling:

- Do not breathe vapor
- Avoid contact with eyes, skin and clothing
- Avoid prolonged or repeated exposure

Storage:

- Keep container tightly closed
- Keep away from heat and open flame.

All Kit Components

Handling:

- Observe normal hygiene standards
- Discharge according to local regulations
- Remove and clean contaminated clothing
- Handle and open the container with care

Storage:

- Keep container tightly closed
- Meet the legal requirements
- Keep away from: heat sources, combustible materials, acids, metals
- Storage temperature: see component label

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control of Exposure

Not available

Personal Protection

Substrate A, Substrate B

- Eye protection:* - Chemical safety glasses
Hand protection: - Compatible chemical-resistant gloves
Skin protection: - Protective clothing
Respiratory protection: - Government approved respirator

Other Kit Components

- Eye protection:* - Safety glasses
- Face shield
Hand protection: - Gloves
Suitable materials: - Butyl rubber, natural rubber, neoprene, nitrile rubber, polyethylene
Skin protection: - Protective clothing
Respiratory protection: - NA



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9. PHYSICAL AND CHEMICAL PROPERTIES

All Reagents

Clear liquid

10. STABILITY AND REACTIVITY

All Kit Components

Stability: All components are stable until expiry date if stored in specified conditions (see label)

Reactivity/Hazardous decomposition products: No hazardous decomposition products are formed in high quantities

11. TOXICOLOGICAL INFORMATION

See "2. Composition/Information on ingredients" to identify the kit components that contain the substances mentioned in this section.

Components containing ProClin 300:

ACUTE TOXICITY

LD50 Oral rat, female 3,723 mg/kg

LD50 Oral rat, male 3,600 mg/kg

LD50 Skin Rabbit > 3,600 mg/kg

LD50 Skin Rabbit 3,500 mg/kg

IRRITATION DATA

Skin Rabbit 18.6 % Remarks: Severe irritation effect

Skin Rabbit 9.3 % Remarks: Moderate irritation effect

Skin Rabbit 1.8 % Remarks: No irritation effect

Eyes Rabbit Remarks: Severe irritation effect

Eyes Rabbit 9.3 % Remarks: Moderate irritation effect

Eyes 1.8 % Remarks: No irritation effect

Eyes Rabbit Remarks: Severe irritation effect

Skin Rabbit Remarks: Severe irritation effect

SENSITIZATION

Skin: May cause allergic skin reaction.

SIGNS AND SYMPTOMS OF EXPOSURE

Exposure can cause: Dermatitis. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.



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ROUTE OF EXPOSURE

Skin Contact: Causes burns.

Skin Absorption: Harmful if absorbed through skin.

Eye Contact: Causes burns.

Inhalation: Harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Ingestion: Harmful if swallowed.

Other components do not contain substances with a known chronic effect (e.g. carcinogenicity, mutagenicity, toxicity to reproduction)

12. ECOLOGICAL INFORMATION

Aquatic toxicity

- N/A

Other information

- WGK: 1 (Classification based on the components as per Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)
- Effect on the ozone layer: Not dangerous for the ozone layer (1999/45/EC)
- Greenhouse effect: No data available
- Effect on waste water purification: No data available

13. WASTE DISPOSAL CONSIDERATIONS

Provisions relating to waste: Hazardous waste (91/689/EEC)

Packaging/container:

- Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10 (packaging containing residues of or contaminated by dangerous substances)

Disposal methods:

- Calibrators, Controls, Patient samples, Diluent, Detection Antibodies, and Microwell strips are potentially infectious. They should be disposed of following established safety procedures and local regulations.
- All the kit components must be considered as hazardous waste. They should be disposed of following local regulations.

14. TRANSPORT INFORMATION

No restrictions.



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15. REGULATORY INFORMATION

Classification according to directives 67/548/EEC and 1999/45/EC

Concentrated Wash, VWF Detection Antibody, Propeptide Detection Antibody, Diluent (**All solutions containing ProClin 300**)



ProClin 300

Irritant

R43: May cause sensitization by skin contact

S2: Keep out of the reach of children

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28: After contact with skin, wash immediately with plenty of water

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

16. OTHER INFORMATION

This product is designed for use by professionals.

R and S phrases used in sections 2 and 15:

R36/37/38: Irritating to eyes, respiratory system and skin

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R34: Causes burns.

R43: May cause sensitization by skin contact

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S2: Keep out of the reach of children

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28: After contact with skin, wash immediately with plenty of water

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

Reagents made with human source material have been made with materials that have been tested by FDA approved methods and found negative for HBsAg, anti-HCV and anti-HIV-1/2. No known method can offer complete assurance that human blood derivatives will not transmit hepatitis, AIDS or other infections. Therefore, handling of reagents, serum or plasma specimens should be in accordance with local safety procedures.



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All animal products and derivatives have been collected from healthy animals. Bovine components originate from countries where BSE has not been reported.

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

It remains the user's own responsibility to make sure that the information is appropriate and complete for his specific use of this product. The user is also responsible for observing any laws and applicable guidelines.

Sources of information : EC regulation 1907/2006, European Directives 67/548/EC (and amendments) and 99/45/EC, MSDS from individual substances.

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