

MATERIAL SAFETY DATA SHEET

Protein L Ligand Leakage ELISA

1. Identification of the substance/preparation and of the company/undertaking

Product name: Protein L Ligand Leakage ELISA
Chemical formula: N/A
Art. no.: A10-0027
Manufacturer: Medicago AB
Danmark Berga
755 98 Uppsala
Sweden
tel.: +46 (0) 18 56 11 80
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Emergency telephone number: 112 (Sweden)

2. Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008: Eye irritation, skin irritation, reproductive toxicity, specific target organ toxicity, skin corrosion.

Classification according to EU Directives 67/548/ECC or 1999/45/EC: Irritant, corrosive.

Label elements



Signal word: Danger

Other hazards - none

3. Composition/information on ingredients

Chemical name:	CAS no:	EC no:	Classification:
<u>EC blue Enhanced</u>			
1-methyl-2-pyrrolidinone	872-50-4	212-828-1	H315, H319, H335, H360D
3, 3',5, 5' - Tetramethylbenzidine	54827-17-7	259-364-6	H315, H319, H335, P261, P305, P351, P338
Citric acid monohydrate	5949-29-1	Not available	H319
<u>Stop solution</u>			
Sulfuric Acid	7664-93-9	231-639-5	H314, P280, P305, P351, P338
<u>PBS Tween™ Tablets</u>			
Sodium Chloride	7647-14-5	231-598-3	
Potassium Chloride	7447-40-7	231-211-8	H319
Di Sodium Hydrogen Phosphate	7558-79-4	231-448-7	H315, H319, H335
Sodium di Hydrogen Phosphate	7558-80-7	231-449-2	
Tween™ 20	9005-64-5	500-018-3	H310, H311, H315, H319, H335

4. First-aid measures

Ingestion:	In case of ingestion, immediately flush mouth with plenty of water. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt or waistband. Get medical attention.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention.
Eye contact:	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention. Repeated or prolonged exposure is not known to aggravate medical condition.

5. Fire-fighting measures

Flammability of the product:	May be combustible at high temperature.
Extinguishing media:	Use dry chemical powder. Large fire: Use water spray, fog or foam. Do not use water jet.
Hazardous thermal (de)composition products:	Emits toxic fumes at fire conditions.
Special fire-fighting procedures:	Wear self-containing breathing apparatus and full turnout gear.

6. Accidental release measures

Personal precautions:	Safety goggles. Full suit. Dust respirator. Boots. Gloves. Avoid breathing vapours, mist or gas. Keep away from sources of ignition. No smoking.
Spill and leak:	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Avoid raising dust. Finish cleaning by spreading water on the contaminated surface and dispose of according to requirements. Ventilate the room.

7. Handling and storage

Handling:	Do not breathe dust. Wear suitable protective clothing. Avoid contact with skin and eyes. Keep away from sources of ignition. No smoking. Prevent the build up of electric charge.
Storage:	Store components cooled (+4°C) except for the Protein L reference which should be stored at -20/-80°C. HRP-conjugated anti Protein L pAb and EC blue Enhanced TMB substrate should be stored protected from light.

8. Personal protection/exposure controls



Protecting clothing:	
Personal protective equipment:	Safety goggles, gloves, dust respirator, lab coat.
Engineering measures:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Hygiene measures:	Wash hands after handling compounds and before eating, smoking and using lavatory.

9. Physical and chemical properties

Physical state:	N/A
Colour:	N/A
Molecular Weight:	N/A
Solubility:	N/A
Flash point:	N/A
Explosive properties:	Risks of explosion of the product in presence of mechanical impact: not available.

Risks of explosion of the product in presence of static discharge: not available.

10. Stability and reactivity

Stability:	Stable if stored under recommended storage conditions.
Conditions to avoid:	N/A
Hazardous decomposition products:	Carbon oxides formed under fire conditions.
Hazardous polymerization:	Will not occur.

11. Toxicological information

Signs and symptoms of exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Route of exposure:

Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation. Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. Ingestion: May be harmful if swallowed.

Target organ information:

Central nervous system. Kidneys.

12. Ecological information

Ecotoxicity:	N/A
Toxicity of the products of biodegradation:	N/A

13. Disposal considerations

Dispose of all used or unused reagent as well as any other contaminated disposable materials following procedures for infectious or potentially infectious products. It is the responsibility of each laboratory to handle waste and effluents produced according to their nature and degree of hazardousness and to treat and dispose of them in accordance with any applicable regulations.

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

RID/ADR:	Not controlled under RID/ADR.
IMDG:	Not controlled under IMDG.
IATA:	Not controlled under IATA.
Special provisions for transport:	N/A

15. Regulatory information

EU Regulations

Classification: -

US Federal Regulations

TSCA:	No products found.
HCS Classification:	Irritating substance.

16. Other information

Precautions and Disclaimer: For laboratory use only. Not for drug, household or other uses.

Revision date: 2013-08-21

Notice to reader

To the best of our knowledge, the information given is accurate. However, we do not assume 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, we cannot guarantee that these are the only hazards that exist.