

SAFETY DATA SHEET: COVER SHEET

REVISION DATE: 2019-06-18

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

1.1 Product identifier

Product name: Protein L Ligand Leakage ELISA Kit
Article number: 10-0027, 10-0028

1.2. Relevant identified uses of the substance or mixture, and uses advised against

Identified uses: Detection and quantification of Protein L

1.3 Details of the supplier of the safety data sheet

Company: Medicago AB
Danmark Berga 13
755 98 Uppsala
Telephone: +46 (0)18 56 11 80
Facsimile: +46 (0)18 56 11 88
E-mail address: info@medicago.se

1.4 Emergency telephone number

Emergency telephone number: Giftinformationscentralen 112 (Sweden)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

Classified as: Skin Irritation (category 2), H315
Eye Irritation (category 2), H319

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)



Signal word: Warning

Hazard statement(s):
H315 Causes skin irritation
H319 Causes serious eye irritation

Precautionary statement(s):
P264 Wash hands thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P302+352 IF ON SKIN: Wash with plenty of water
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses, if present and easy-to-do; continue rinsing

Complementary hazard information:
No data available

2.3. Other hazards

No additional hazardous products are formed after mixing individual components.

3. Composition/information on ingredients**3.2 Mixtures**

Component	Substance	CAS no	EC no	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)
EC Blue Enhanced	Water	7732-18-5	231-791-2	80-90%	Not classified
	1-methyl-2-pyrrolidinone	872-50-4	212-828-1	<5%	Skin Irrit 2, H315 Eye Irrit 2, H319
	Based on the working concentration there are no additional components present which are classified as hazardous to health and environment				
HRP-conjugated anti-Protein L pAB	No component needs to be disclosed according to applicable regulations				Not classified
PBS Tween Tablets (pH7.4)	No component needs to be disclosed according to applicable regulations				Not classified
Protein L Reference	No component needs to be disclosed according to applicable regulations				Not classified
Stop Solution	Water	7732-18-5	231-791-2	80-90%	Not classified
	Sulfuric Acid	7664-93-9	231-638-5	<5%	Working concentration is not classified as hazardous to health and environment

For the full text of the H-Statements in this section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

If swallowed	Wash immediately mouth with water; never give anything by mouth to an unconscious person; get medical attention
If inhaled	Move to fresh air; if person is not breathing, give artificial respiration; get medical attention
In case of skin contact	Wash off with soap and water; remove contaminated clothes and shoes; get medical attention
In case of eye contact	Wash thoroughly with plenty of water for at least 15 min; remove contact lenses if present and easy-to-do; keep washing for several additional minutes; get medical attention
General advice	Get medical attention if you feel unwell; show this data sheet to the doctor in attendance

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: dry chemical powder, water spray, fog or alcohol-resistant foam

Unsuitable extinguishing media: do not use water jet

5.2 Special hazards arising from the substance or mixture

EC Blue Enhanced

Toxic gas such as carbon oxides, may form flammable heavy gas

PBS-Tween

Sodium oxides, phosphor oxides

Stop Solution

Sulphur oxides

Other components

No data available

5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting

5.4 Further information

EC Blue Enhanced

Product is flammable; container may explode in case of fire

Stop Solution

In case of fire: pressure will increase and container may burst

Other components

No data available

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear safety goggles, lab coat, suitable protection gloves and boots; wash hands before and after use; assure adequate ventilation; avoid forming dust when handling PBS-Tween, avoid breathing vapour/mist when handling stop solution

6.2 Environmental precautions

No data available

6.3 Methods and material for containment and cleaning up

Cover spilled liquid with sand; use appropriate tools to put the solid in a convenient waste disposal container; keep container tightly closed for disposal; finish cleaning by spreading water on the contaminated surface and ventilate the room

6.4 Reference to other sections

For disposal: see section 13

7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin, eyes, and clothes; keep away from heat and ignition; assure adequate ventilation; keep EC Blue Enhanced away from sun light

7.2 Conditions for safe storage, including any incompatibilities

Use original container; store at 2-8°C in the tightly closed amber bottle

7.3 Specific end use(s)

No data available

8. Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Appropriate engineering controls

Use general hygiene procedures; use process enclosures, local exhaust ventilation, or other engineering controls to keep low airborne level; if user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit

Personal protective equipment

Eye/face protection	Wear safety goggles (EN 166)
Skin protection	Use proper lab gloves; gloves must be inspected prior to use; wash and dry hands
Body Protection	Wear lab coat or other impervious clothes; type of protection equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace
Respiratory protection	If necessary, use dust respirator tested and approved under appropriate government standards such as NIOSH (USA) or CEN (EU)

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	EC Blue Enhanced: colourless or slightly blue liquid PBS Tween: white tablet Other components: colourless liquid
Odour	No data available
Odour threshold	No data available
pH	PBS Tween: 7,4 at 25°C
Melting point/ freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (Solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	All components are soluble
Partition coefficient: n-octanol/ water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other information

No data 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

Heat, light, moisture

10.5 Incompatible materials

EC Blue Enhanced

Acids, chloride acids, acids anhydrides, strong oxidizing agents, alkali metal and strong reducing agents

Other components

No data available

(Continued on page 6)

10.6 Hazardous decomposition products

In case of fire: carbon oxides, sulphur oxides, sodium oxides, phosphor oxides, flammable gases

11. Toxicological information**11.1 Information on toxicological effects****11.1.2 Mixtures****Acute toxicity**

No data available

Skin corrosion/irritation

No data available

Serious eye damage/ eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

Stop Solution: IARC: 1 – group 1 – cancerogenic for humans (sulphuric acids)

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

When handling EC Blue Enhanced, PBS Tween tablets, and Stop Solution

Inhalation May be harmful if inhaled, may cause irritation if inhaled

Ingestion May be harmful if swallowed

Skin Causes skin irritation

Eye Causes serious eye irritation

Other components

No data available

12. Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13. Disposal considerations

13.1 Waste treatment methods

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

Contaminated packaging: dispose of as unused product

14. Transport information

14.1 UN-number

ADR-RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR-RID: Not dangerous goods
 IMDG: Not dangerous goods
 IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR-RID: - IMDG: - IATA: -

14.4 Packaging group

ADR-RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR-RID: no
 IMDG, water pollutant: no
 IATA: no

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available



15. Regulatory information

This safety data sheet 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

No data available

16. Other information

This information is based on the current state of knowledge.

Precaution and disclaimer: For laboratory use only; not for drug, household, or any other use.

Text of H-phrases in section 3

Hazard statement(s):

H315	Causes skin irritation
H319	Causes serious eye irritation
Skin Irrit. 2	Skin Irritation (category 2)
Eye Irrit. 2	Eye Irritation (category 2)