

Safety Data Sheet

Version 1.0
Revision Date 12-14-2022



1. Product and Company Identification

Product Name Bovine beta-Lactoglobulin ELISA Kit
Catalog Number E11-125
Supplier Bethyl Laboratories, Inc.
25043 West FM 1097
Montgomery, TX 77356
Telephone 800-338-9579
Fax 866-597-6105

Product Use The Kit is intended for in vitro determination of Bovine beta-Lactoglobulin in biological samples or culture media. For Research Use Only, Not for Diagnostic Use.

2. Hazards Identification

GHS Classification

Skin Sensitization, Category 1
Skin Irritation, Category 3
Eye Irritation, Category 2A

GHS Label elements

Pictogram



Signal word

Warning

Hazard Statements

H316 Causes mild skin irritation
H317 May cause an allergic skin reaction
H319 Cause serious eye irritation

Precautionary Statement(s)

P305+P351+P335 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P303 IF ON SKIN: Wash with plenty of soap and water.

3. Composition/Information on Ingredients

Component	Classification	Concentration
Pro-Clean 400 (Detection Antibody)		
CAS No. 26172-55-4	Skin Sens. 1, H314	0.1%
Sulfuric Acid (ELISA Stop Solution)		
CAS No. 7664-93-9	Skin Corr. 1A, H314	0.18 M

4. First Aid Measures

General Advice	If symptoms persist, call a physician
If swallowed	Rinse mouth with water provided person is conscious.
Skin contact	Immediately wash skin with soap and plenty of water. Remove any contaminated clothing.
Eye exposure	Immediately flush with copious amounts of water. Remove any contact lenses and continue flushing for at least 15 minutes.
If inhaled	Move person to fresh air. If not breathing, give artificial respiration.

5. Fire-Fighting Measures

Conditions of flammability

Not flammable or combustible

Extinguishing Media

Water, foam, carbon dioxide, or dry chemical

Unusual Fire & Explosion Hazard

No usual fire or explosion hazards noted.

Special protective equipment for firefighters

Wear self contained breathing apparatus if necessary.

6. Accidental Release Measures

Personal precautions

If spill occurs, wear protective gloves and clean up the spill area with inert absorbent material. Avoid post-cleanup contact of chemical with skin, eyes or inhalation.

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

Methods and materials for containment and cleaning up

Dispose of clean-up waste in suitable closed containers

7. Handling and Storage

Conditions of safe storage

Keep container tightly closed and upright to prevent leakage.

Recommended storage temperature is 2 - 8°C.

8. Exposure Controls/Personal Protection

Contains no substance with occupational exposure limit values

Respiratory protection

In well ventilated areas, respiratory protection not required.

Hand protection

Handle with gloves.

Eye protection

Wear safety goggles.

Skin and body protection

Lab coat to limit skin exposure

General hygiene

Wash hands before breaks and at the end of each work shift and before eating, smoking or using the toilet. Wash contaminated clothing and shoes before reuse.

9. Physical and Chemical Properties**Appearance**

Form liquid

Safety Data

pH	no data available
Melting point/ Freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition point	no data available
Auto-ignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapor pressure	no data available
Density	no data available
Water Solubility	no data available
Partition coefficient n-octanoic/water	no data available
Relative vapor density	no data available
Evaporation rate	no data available

10. Stability and Reactivity**Chemical stability**

Product is stable under normal conditions of storage and use.

Possibility of hazardous reactions

No data available

Conditions to avoid

No data available

Materials to avoid

Oxidizing agents, reducing agents, amines, mercaptans

Hazardous decomposition products

Under normal conditions and use, hazardous decomposition products should not be produced.

11. Toxicological Information**Acute toxicity**

May cause sensitization or susceptible persons.

Skin contact

May cause irritation.

Eye contact	May cause irritation.
Germ Cell Mutagenicity	No data available
Carcinogenicity	Not listed by IARC, ACGIH, NTP, OSHA
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

12. Ecological Information

Toxicity	Not determined
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPvb assessment	No data available
Other adverse effects	At the concentration present this product does not need to be classified as hazardous for the environment and the effects are not expected to be significant.

13. Disposal Considerations

Dispose of material in accordance with federal, state, and local regulations.

14. Transportation Information

No special transport regulations	
DOT (US)	Not dangerous goods
ADR (road)/RID(rail)	Not dangerous goods
IMDG (sea)	Not dangerous goods
ICAO/IATA (air)	Not dangerous goods

15. Regulatory Information

OSHA Hazards

Target Organ Effect, Corrosive, Sensitizer

SARA 302 Components

Sulfuric Acid CAS No. 7664-93-9

SARA 313 Components

Sulfuric Acid CAS No. 7664-93-9

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

16. Other Information

Kit Components:

Bovine beta-Lactoglobulin Antibody		
Pre-Coated 96-well strip plate		
Bovine beta-Lactoglobulin Standard	E11-125-PC	No known OSHA hazards
Bovine beta-Lactoglobulin Detection	E11-125S	No known OSHA hazards
Antibody	E11-125B	Skin Sensitizer
20X Wash Buffer	E-WB50	No known OSHA hazards
20X Dilution Buffer C	E-DBC25	No known OSHA hazards
E-HRPC12	E-HRPC12	No known OSHA hazards
TMB Substrate	E-TMB12	No known OSHA hazards
ELISA Stop Solution	E-SS12	Irritant
Sealing Tape	E116	No known OSHA hazards

For research use only.

Read instructions for use before using the product. Observe the general safety regulations when handling chemicals.

The above information is believed to be correct but does not purport to be all-inclusive and is intended to be used only as a guide. Bethyl Laboratories, Inc. shall not be liable or responsible in any way for use of either this information or the material supplied. Disposal of hazardous material may be subject to federal, state, or local laws or regulations.

Prepared by: Safety Department
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