

# Safety Data Sheet

Version 2.0  
Revision Date 8/2/2018



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## 1. Product and Company Identification

Product Name	Human Lactoferrin ELISA Kit
Catalog Number	E88-143
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 Human Lactoferrin in biological samples or culture media. For Research Use Only, Not for Diagnostic Use.

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## 2. Hazards Identification

### GHS Classification

Not a hazardous substance or mixture.

### GHS Label elements

Pictogram	None
Signal word	None

Precautionary Statement(s) None

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## 3. Composition/Information on Ingredients

### Mixtures

No ingredients are hazardous according to OSHA criteria.  
No ingredients are hazardous according to Regulation (EC) No 1272/2008 criteria.  
No components need to be disclosed according to the applicable regulations.

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## 4. First Aid Measures

<b>If swallowed</b>	Rinse mouth with water provided person is conscious.
<b>Skin contact</b>	Wash skin with soap and plenty of water.
<b>Eye exposure</b>	Flush eyes with water as a precaution.
<b>If inhaled</b>	Move person to fresh air. If not breathing, give artificial respiration.

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## 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.

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**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

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**7. Handling and Storage****Conditions of safe storage**

Keep container tightly closed and upright to prevent leakage.

Recommended storage temperature is 2 - 8°C.

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**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.

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**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

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## 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.

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## 11. Toxicological Information

<b>Acute toxicity</b>	May cause sensitization or susceptible persons.
<b>Skin contact</b>	May cause irritation.
<b>Eye contact</b>	May cause irritation.
<b>Germ Cell Mutagenicity</b>	No data available
<b>Carcinogenicity</b>	Not listed by IARC, ACGIH, NTP, OSHA
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity single exposure</b>	No data available
<b>Specific target organ toxicity repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available

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## 12. Ecological Information

<b>Toxicity</b>	Not determined
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>PBT and vPvb assessment</b>	No data available
<b>Other adverse effects</b>	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.

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### 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

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### 15. Regulatory Information

#### OSHA Hazards

No known hazards under the OSHA Hazard Communication Standard (29CFR 1910/1200).  
This safety data sheet complies with the requirements of Regulation (EC) No 1907/2006.

#### 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                      No

#### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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### 16. Other Information

#### Kit Components:

Human Lactoferrin Antibody		
Pre-Coated 96-well strip plate	E88-143-PC	No known OSHA hazards
Human Lactoferrin Standard	E88-143S	No known OSHA hazards
Human Lactoferrin Detection Antibody	E88-143B	No known OSHA hazards
20X Wash Buffer	E-WB50	No known OSHA hazards
10X Dilution Buffer B	E-DBB25	No known OSHA hazards
E-HRPA12	E-HRPA12	No known OSHA hazards
TMB Substrate	E-TMB12	No known OSHA hazards
ELISA Stop Solution	E-SS12	No known OSHA hazards
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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