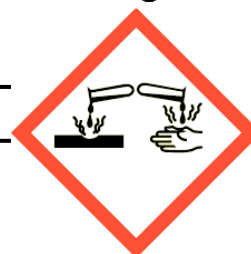


1. Identification of product and manufacturer

Product name: LAL Chromogenic Endpoint Assay
 Catalog number: HIT302
 Intended uses: The kit is to be used for the *in vitro* quantitative determination of bacterial endotoxin in various biological fluids, devices, (air)filters and tissue culture medium. For research use only. Not for use in or on humans and animals or for diagnostics.
 Manufacturer: Hycult Biotech
 Frontstraat 2A
 5405 PB Uden
 The Netherlands
 Tel.: +31 (0)413 251335
 www.hycultbiotech.com
 info@hycultbiotech.com
 Emergency phone #: 112 in Europe

Danger



2. Hazards identification

Classification according to directive 1272/2008/EC:

Stop solution contains 50% acetic acid:

- Causes severe skin burns and eye damage: Skin corrosion, hazard cat. 1B (H314)

The ingredients present in the standard and reagent are in an amount that does not require labeling in accordance with EC directives or respective national laws. However, ingestion or exposure to large amounts can potentially be hazardous.

3. Information on ingredients

The following chemical substances can be found in the components of the kit:

Component	Substance	Identification number	Concentration
Stop solution	Acetic acid	607-002-00-6 (Index No) 200-580-7 (EC No) 64-19-7 (CAS No)	50%
Standard	LPS from Escherichia coli	297-473-0 (EC No) 93572-42-0 (CAS No)	≤ 0.5 µg
LAL reagent	Limulus amoebocyte lysate	271-731-2 (EC No) 68606-22-4 (CAS No)	< 80%

4. First aid measures

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or physician.

IF ON SKIN: Immediately remove all contaminated clothing. Rinse skin with water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION.

5. Firefighting measures

May be combustible at high temperature. Use water spray, dry chemicals, carbon dioxide, foam or sand depending on the surrounding equipment and materials. There are no unusual fire or explosion hazards known for any of the components.

6. Accidental release measures

Personal precautions: Avoid direct contact with skin, eyes and clothing. Do not inhale vapors or fumes.

Environmental precautions: Prevent contamination of soil, drains and surface water. Dispose of in accordance with all applicable laws and regulations.

Cleaning procedure: Soak up with inert absorbent material. After removing the substance, clean the contaminated area and disinfect.

7. Handling and storage

For optimal performance, it is recommended to work according to Good Laboratory Practice (GLP). Avoid prolonged exposure to light. Store in a cool, dry, well ventilated place in securely closed original packaging. Please refer to labeling and manual instructions for correct storage and handling of the product and its individual reagents.

8. Exposure controls / personal protection

There is no exposure limit value known. The following precautionary measures are recommended as a means of personal protection:

Skin: Wear laboratory protective clothing and closed footwear.

Respiratory protection: None

Eye protection: Safety goggles are recommended when eye contact is possible.

Hands: Use protective gloves that are chemical resistant.

Use only with adequate ventilation. Please make sure to wash hands thoroughly after handling chemical products or before eating, smoking and using the restroom.

9. Physical and chemical properties

Appearance: Liquid or lyophilized.

Color: Colorless: Dilution buffer and stop solution.

White: LAL reagent and standard.

Odor: Odorless

pH: All components are pH-neutral. Exception here is the stop solution (pH 2-3).

Solubility: Soluble in water

Boiling point: Not determined (ND)

Decomposition temperature: ND

Evaporation rate: ND

Viscosity: ND

Vapor pressure: ND

Vapor density: ND

Relative density: ND

Melting point/freezing point: ND

Flash point: > 60°C

Flammability: ND

10. Stability and reactivity

Products are stable if handled according to the described storage conditions and before the mentioned expiry date. Use only sterile glass and plastics (polypropylene) suitable for laboratory use.

The product or any of its components have no known hazardous reactions or decomposition products. Avoid freezing and prolonged exposure to light.

11. Toxicological information

Except for the stop solution, the kit components are in small sizes with a concentration below the acceptable limit for hazardous ingredients. The toxicological risk is minimal. No toxicological experiments have been performed with the kit components.

12. Ecological information

Except for the stop solution, the kit components are in small sizes with a concentration below the acceptable limit for hazardous ingredients. The stop solution must be neutralized or diluted before disposing. The environmental impact of the kit and all of its components has not been evaluated. There are no significant ecological effects or critical hazards known.

13. Disposal considerations

The generation of waste should be avoided or minimized wherever possible. The product and packaging must be disposed in accordance with all applicable laws and regulations.

14. Transport information

This product is not regulated or classified for transportation of hazardous goods by road, air, rail or sea.

15. Regulatory information

This SDS has been compiled in accordance with the directives 1907/2006/EC and 1272/2008/EC. For research use only. Not for use in or on humans and animals or for diagnostics.

16. Other information

Employers must ensure that Safety Data Sheets are readily accessible to employees for all hazardous chemicals in their workplace. All SDS's for Hycult Biotech ELISA kits can be downloaded from the website via the respective product pages.

The information provided is believed to be correct and is intended as a guide to users. Hycult Biotech cannot be held responsible or be liable for the accuracy or completeness of the information contained herein. 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.

Read instructions carefully prior to use. Products may only be handled by technically qualified laboratory personnel. GLP is required.