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MATERIAL SAFETY DATA SHEET

Product name: DBI (Human) ELISA Kit

Catalog number: KA0532

1. Composition/Information on Ingredients

Contents	Size
Antibody coated microwells	96 wells
Incubation Buffer	30 ml
Washing Buffer (10X)	100 ml
Standard Protein (lyophilized)	1 Glass vial
Standard/Sample/ Secondary Antibody Dilution Buffer	25 ml
Secondary Antibody (lyophilized)	1 Glass vial
AV-HRP	150 µl
AV-HRP Dilution Buffer	25 ml
TMB Substrate	20 ml
Stop Solution	20 ml

2. Hazards Identification

Known Hazardous Components	CAS Number	Percent
Tween 20:	9005-64-5	
Incubation Buffer		0.05%
Washing Buffer		0.05%

Known Hazardous Components	CAS Number	Percent
Sodium azid:	26628-22-8	
Standard Protein		0.1%
Secondary Antibody		0.1%

Known Hazardous Components	CAS Number	Percent
3, 3', 5, 5'-tetramethylbenzidine:	54827-17-7	
TMB Substrate		< 0.1%

Known Hazardous Components	CAS Number	Percent
Sulfuric Acid:	7664-93-9	

Stop Solution	1 N

3. First Aid Measures

First aid personnel should ensure self-protection.

General informations: Because of the low concentrations of the ingredients seeing a doctor is not necessary.

In case of skin contact: Flush the contact area with lukewarm running water for at least 15 minutes. Remove contaminated clothing, taking care not to spread the chemical. If contamination is extensive, remove clothing under running water. Discard or decontaminate clothing under running water. Discard or decontaminate clothing before use. Unless contact has been slight, seek medical attention. Seek medical attention if irritation persists.

In case of eye contact: Flush the contaminated eye(s) for at least 15 minutes with lukewarm running water, holding the eyelids open. Take care not to rinse contaminated water in to the non-affected eye. Always seek medical attention for accidents involving the eyes.

In case of ingestion: Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water to dilute. Have victim drink 200-400 ml of water to dilute. For sulphuric acid, do NOT induce vomiting. For acetone or EDTA, induce vomiting if victim is conscious. If breathing has stopped, trained personnel should begin artificial respiration, or if the heart has stopped, cardiopulmonary resuscitation (CPR) immediately. Seek medical attention.

In case of inhalation: Take proper precautions to ensure your own safety before attempting rescue. Remove source of contamination or move victim to fresh air. If breathing has stopped, trained personnel should begin artificial respiration, or if the heart has stopped, cardiopulmonary resuscitation (CPR) immediately. Seek medical attention.

4. Fire Fighting Measures

Extinguishing media:

Small fire: Use DRY chemical powder, dry sand.

Large Fire: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build up, auto-ignition or explosion.

5. Accidental Release Measures

Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and, for flammable materials, shut off all possible sources of ignition. Spread soda ash liberally over the spillage. Transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with water

6. Handling and Storage

Handling

This product should be handled only by qualified experienced professionals. Wash thoroughly after handling the material. Sulphuric Acid: Keep away from materials that can burn. Avoid generating mist. Follow routine safe handling procedures. When diluting ALWAYS ADD ACID TO WATER. NEVER WATER TO ACID.

Storage

Store at 4-8°C.

All components should be stored in tightly closed containers.

7. Exposure controls/personal protection

Effects of Acute Exposure: Irritant to the eye. Inflammation of the eye is characterized by redness, watering and itching. Skin inflammation is characterized by itching scaling, reddening or occasionally blistering

8. Physical and Chemical Properties

N/A

9. Stability and Reactivity

Stability and Reactivity: The product is stable. However note expiry date printed on lables. Store at 2-8°C and replace the components at this temperature at the end of working procedure.

Conditions to avoid: Heating above room temperature, freezing.

Materials to avoid: Generally use onle clean glass and plastic suitable for lablatory use for handling the kit components.

Further information: Note that Stop Solution contains sulfuric acid and has a corrosive effect.

10. Toxicological Information

Because of the small size of the container and the low concentrations of hazardous ingredients, the toxicological risks are

minor.

Toxicological experiments have not been done on the kit components.

11. Ecological information

Do not allow product to reach ground water, water course, or sewage system.

12. Disposal guidelines

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide buildup in drains.

13. Transport information

Follow all TDG regulations.

14. Regulatory information

Observe the general safety regulations when handing chemicals. No single component contains a hazardous ingredient in an amount that requires identification and labelling.

15. Other

This material is sold for in vitro use or research purposes only. It is not for any human or animal therapeutic or clinical diagnostic use.

Read instructions for use before using the products. Observe the general safety regulations when handling chemicals. Good laboratory practice is the best preventive measure to avoid hazards. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may be present unknown hazards and should be used with caution. Since our corporation can not control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

This information is prepared on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.