

Human 25-Hydroxycholesterol 7-alpha-hydroxylase ELISA Kit

Cat#: orb1213648 (MSDS)

1. Chemical Product and Company Identification

Name: Human 25-hydroxycholesterol 7-alpha-hydroxylase, CYP7B1 ELISA KIT

2. Composition Information

1	Pre-coated Plate	12-well * 8 tubes	7	Substrate Solution A	6ml
2	Standard Solution	0.5ml	8	Substrate Solution B	6ml
3	Standard Diluent	3ml	9	Biotinylated Antibody	1ml
4	Streptavidin-HRP	6ml	10	User Instruction	1
5	Stop Solution	6ml	11	Plate Sealer	2
6	Washing Buffer(25x)	20ml	12	Zipper Bag	1

3. Hazards Identification

None of the Hazardous reagents are present in an amount that qualifies the products as hazardous according to Directive 67/548/EC. However, ingestion or exposure to large amounts can potentially be hazardous. The physical, chemical and toxicological properties of these components have not been fully investigated. It is recommended that all laboratory personnel follow standard laboratory safety procedures when handling this product. Safety procedures should include wearing approved safety glasses, gloves and protective clothing. Direct physical contact with all components in this product should be avoided.

Known Hazardous Components can be contained in the Elisa kits, usually at small concentration such as:

Tetramethylbenzidine CAS Number 64285-73-0 Amount 750ppm

Sodium Azid CAS Number 26628-22-8 Amount 0.02%

H2SO4 CAS Number 7664-93-9 Amount 2M

4. First Aid Measure

Ingestion if swallowed, wash out mouth with water provided person is conscious. Call a physician or poison control.

Skin Contact Flush with copious amounts of water and wash with soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician if irritation or discomfort develops.

Inhalation Remove to fresh air. If breathing becomes difficult give oxygen. If breathing stops, administer artificial respiration. Call a physician.

Eye Contact Flush with copious amount of water for at least 15 minutes. Check for and remove contact lenses. Assure adequate flushing by separating the eyelids Call a physician. If medicine attention is required, provide product label and /or MSDS.

5. Fire Fighting Measure

None of the component of this kit poses a significant risk in case of fire. Fire fighting media should be selected to suit other materials involved in the fire. It is recommended that firefighters wear protective gear and self-contained breathing apparatus to limit their exposure.

6. Accidental Release Measures

Ventilate area, shut off all source of ignition. Wear appropriate protective gear. Wipe or pick up materials, place in sealed container, dispose of in accordance with federal, state, and local regulations. Wash spill site thoroughly with soap and water after material pick-up is complete.

7. Handling and Storage

This kit should be stored as recommended on the product label. All components should be kept in tightly closed containers. Refer to the Storage section of the kit insert for further information. This kit should only be handled and used by qualified, trained professionals.

8. Exposure Controls/Personal Protection

Refer to Section 6 and 7.

9. Physical and Chemical properties

Physical State: Liquid except for the coated microwells.

Color: Clear for all other liquid reagents.

Odor: None detectable.

pH: 5-10 for all components except Stop Solution at <3 (highly acidic)

Boiling Point: Not applicable.

Melting Point: Not applicable.

Flash Point: Not applicable.

Flammability: Not Flammable

Auto flammability: will not occur

Vapor Pressure: Not applicable

Relative Density: 1-10mg/ml

Water Solubility: 100% soluble

10. Stability and reactivity

This product is stable until the expiration date indicated on the kit label under the specified storage conditions. There are no known reactivates with these components. Refer to the kits insert for future information.

11. Toxicological information

None available

12. Ecological Information

None available

13. Disposal Considerations

Disposal of preparation Left: Dispose according to current regional and nation rules.

Contaminated Containers: Dispose of following current regulations.

14. Transport Information

Road/railway haulage ADR/RID: Not restricted

Sea Freight IMO (IMDG): Not restricted

Air Freight IATA (ICAO): Not restricted

UN Number: Not applicable

15. Regulatory Information

Symbols of Danger: None

“R” Phrases indicating Specific Risks: R35 (for concentrated Hydrochloric Acid) Cause severe burns.

“S” Phrases indicating Caution: S26 (for concentrated Hydrochloric Acid) in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.