

Biotin ELISA Kit

Cat#: orb568167 (MSDS)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Identifiers

Product Name: Biotin ELISA Kit

Catalog Number: orb568167

Relevant Identified Uses:

(Disclaimer)

For research and laboratory use only. Not for diagnostic, therapeutic, drug, household or other uses.

Ingredients Information: This product contains antibody of animal origin (as specified on the product datasheet), mostly in buffered solution.

Bovine serum albumin (BSA) is added to some antibodies, and a chemical preservative is also usually added. See individual product datasheet for information and refer to guidance below.

SECTION 2: Composition/Information on Ingredients

See individual datasheet: Antibody of animal origin; Bovine Serum Albumin (BSA); Preservative.

SECTION 3: HAZARDS IDENTIFICATION

Hazard: See individual product datasheet for information and refer to guidance below.

Bio-Hazard: Reduce direct handling to a minimum and wear appropriate protective clothing.

Composition Hazard:

3,3',5,5'- Tetramethylbenzidine: See the individual product datasheet

Sulfuric acid: See the individual product datasheet

Sodium Azide: See the individual product datasheet

Hydrochloric acid: See the individual product datasheet

Others: See the individual product datasheet

Stability And Reactivity:

Thermal decomposition: > 275°C (527 deg F).

Conditions to avoid: Humidity; Contact with water, acids, heavy metals (lead, copper), metal salt, bromine, methylene chloride, carbon disulfide, sulfuric acid, halogenated, hydrocarbons.

Reaction Hazard: May liberate toxic gas.

Decomposition Hazard: Nitrous gas

Caution: MAY BE HARMFUL IF SWALLOWED.

Do not ingest. Wash thoroughly after handling.

Potential Acute Health Effects

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Eyes: Eye contact may cause transient eye irritation. (BSA)

Skin: Causes skin irritation. May be fatal if absorbed through the skin.

Inhalation: Highly toxic if swallowed (R28): Causes irritation of mouth, pharynx, gullet and gastrointestinal tract.

Mucosal irritation, cough, dyspnea, pulmonary edema after lag time.

Ingestion: Ingestion may cause allergic reaction characterized by a rash. (BSA)

Sensitizing effects: Not known.

Industrial handling. : Low hazard. (BSA)

SECTION 4: First Aid Measures

General advice: Consult a doctor and show this safety data sheet.

Eye contact: Flush eyes with plenty of water for at least 10 minutes, occasionally lifting the upper and lower eyelids.

Get medical attention if symptoms occur.

Immediately wash skin with copious amounts of soap and water for at least 15 minutes.

Remove contaminated clothing and wash before reuse. Get medical attention if discomfort persists.

If inhaled: Remove to fresh air and monitor breathing.

Give oxygen if breathing becomes difficult, give artificial respiration if breathing stops.

Get medical attention if symptoms appear.

If ingested: Rinse mouth thoroughly with water. Do not induce vomiting unless directed to do so by medical personnel.

Never give anything by mouth to an unconscious person.

Get medical attention if symptoms appear.

Notes to physician: No specific antidote. Medical staff must contact Poison Control Center.

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 5: Fire-Fighting Measures

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special exposure hazards: Nature of decomposition products not known.

Precautions for fire-fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Further information: No data available.

SECTION 6: Accidental Release Measures

Personal precautions: Immediately contact emergency personnel. Use suitable protective equipment.

Evacuate personnel to safe areas.

Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas.

Dispose cloth in accordance with local disposal guidelines.

Environmental precautions: Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.

Cleaning up: Avoid creating dusty conditions and prevent wind dispersal.

SECTION 7: Handling and Storage

Handling: Do not ingest. Wash thoroughly after handling.

Storage: As directed on individual product datasheet.

SECTION 8: Exposure Controls/ Personal Protection

Engineering Controls: Use in a fume hood where applicable. Ensure laboratory is equipped with a safety shower and eye wash station.

Personal Protective: Safety glasses; Face shield; Lab coat; Rubber or plastic gloves; Respirator if needed.

SECTION 9: Physical and Chemical Properties

Physical state: Liquid or lyophilized powder.

Odor: Little to none.

Solubility in water: Miscible in all proportions.

Additional information: No data available.

SECTION 10: Stability and Reactivity

Chemical stability: Stable under recommended transport or storage conditions.

Reactivity: Stable under normal handling conditions.

Hazardous reactions: Will not occur under normal transport or storage conditions.

SECTION 11: Toxicological Information

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Ingestion: There may be irritation of the throat.

Skin: There may be mild irritation at the site of contact.

Eyes: There may be irritation and redness.

Additional information:

Thiomersal: Toxic. Irritant to eyes and skin.

Avoid ingestion or contact with skin and eyes.

Bronidox: Avoid direct contact of the concentrated chemical with the skin and mucous membrane.

SECTION 12: Ecological Information

Toxicity: Sodium azide and Proclin 300 contained are toxic to fish and wildlife. Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.

SECTION 13: Disposal Considerations

Waste product: Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with national, regional, or local legislation.

Contaminated Packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with national, regional, or local legislation.

SECTION 14: Transport Information**IATA / ADR / DOT-US / IMDG**

Not regulated in the meaning of transport regulations.

UN number Not Applicable

UN proper shipping name Not Applicable

Transport hazard class(es) Not Applicable

Packing group Not Applicable

Environmental hazards Not Applicable

Special precautions for user Not Applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not Applicable.

SECTION 15: Regulatory information**US Federal Regulations****SARA 313**

This product is not regulated by SARA.

Clean Air Act, Section 12 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with this hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.