Human CHPF ELISA Kit

Cat#: orb564960 (MSDS)

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product name: Enzyme-linked immunosorbent assay kit for research use only
Recommended use: For research use only
Components: Microplates, Conjugate (contains Proclin 300), Standard (contains Proclin 300), Control (contains Proclin 300), Assay Diluent (contains Proclin 300), Calibrator Diluent (contains Proclin 300), Color Reagent(contains Tetramethylbenzidine), Wash Buffer, Stop Solution (contains Sulfuric acid).

2. HAZARDS IDENTIFICATION

Hazards Identifications:
According to GHS
Stop Solution contains Sulfuric Acid: Skin Irrit. Class 2
Eye Irrit. Class 2
Signal Word: WARNING
Hazard statements: Causes skin irritation. Causes serious eye irritation.
Precautionary statements: Wash hands thoroughly after handling. Wear protective gloves, clothing and eye and face protection.

Response:
IF ON SKIN (or hair): Immediately remove contaminated clothing and wash before re-use. Wash skin immediately with soap and water. Get medical attention if irritation persists after washing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth.
Classification according to Directive 67/548/EEC: Irritating to eyes and skin.
Hazard Symbol / R-Phrase / S-Phrase: Xi, Irritant / R36/38, Irritating to eyes and skin. / S26, In case of contact with eyes, rinse immediately with plenty of water and see medical advice.
Other hazards: NONE

Information on ingredients
Environmental hazards: Not know
Emergency Overview:
To the best of our knowledge, information and data, we have not yet known the healthy and environmental hazards.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Name: Enzyme-linked immunosorbent assay kit for research use only

Ingredient	Concentration	CAS No.	EC No.
water	93.04%	7732-18-5	231-791-2
bovine serum albumin	1%	9048-46-8	2332-936-2
sodium chloride	0.80%	7647-14-5	231-598-3
disodium hydrogen orthophosphate	0.12%	7558-79-4	231-448-7
potassium chloride	0.02%	7447-40-7	231-211-8
potassium dihydrogen orthophosphate	0.02%	7778-77-0	231-913-4
Sulfuric Acid	5%	7664-93-9	231-639-5

4. FIRST AID MEASURES

General advice: If symptoms persist, call a physician.
Eye contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. If symptoms persist, call a physician.
Inhalation: Move to fresh air.
Ingestion: Clean mouth with water. Drink plenty of water.

5. FIRE-FIGHTING MEASURES

Personal precautions: Use personal protective equipment. Avoid contact with the skin and the eyes. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
Environmental precautions: Try to prevent the material from entering drains or water courses.
Methods for containment: Prevent further leakage or spillage if safe to do so
Methods for cleaning up: Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains. Dam up.

6. ACCIDENTAL RELEASE MEASURES

Procedure of Personal Precaution:
Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

Methods for Cleaning up:
Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

Environmental Precautions:
Do not let product entry drains.

7. HANDLING AND STORAGE

Advice on safe handling: This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Technical measures/Storage conditions: Keep out of the reach of children. Keep container tightly closed. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures: Showers /Eyewash stations /Ventilation systems
Personal protective equipment
Eye/face protection: Tightly fitting safety goggles. Face-shield.
Skin and body protection: No special protective equipment required.
Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless transparent liquid
Odor: Weak odor
Initial Boiling: 100°C
Flash point: >96°C
(closed cup)/ :°C
pH vALUE: 7.5(25 ,50.0g/L)°C
Solubility: Miscible in water
Density/Relative: 1.008×103 kg/m3(20.0 ±0.1°C°C
Density Viscosity: 1.074mm2/s(20.00 ±0.02 ,kinematic viscosity)°C°C

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.
Incompatible products: None known based on information supplied.
Conditions to avoid: None known based on information supplied.
Hazardous decomposition products: None known based on information supplied.
Hazardous polymerization: Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity
Sodium chloride: Rat oral LD50:3000mg/kg
Rat inhalation LC50: >42000mg/m3/1H
Rabbit skin LD50: >10000mg/kg

Sodium dihydrogen orthophosphate: Rat Oral LD50: 17000mg/kg
Potassium chloride: Rat Oral LD50: 2600mg/kg
Potassium dihydrogen orthophosphate: Rabbit skin LD50: >4640mg/kg
Skin corrosion: No data available
Serious eye damage: No data available

12. ECOLOGICAL INFORMATION

Toxicity: The environmental impact of this product has not been fully investigated.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods: Contact a licensed professional waste disposal service to dispose of this material. This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult the appropriate state, regional, or local regulations for additional requirements.

14. TRANSPORT INFORMATION

DOT: Not dangerous goods
IATA: Not dangerous goods
ADR: Not dangerous goods

15. REGULATORY INFORMATION

Regulation (EC) No. 1272/2008:
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.