

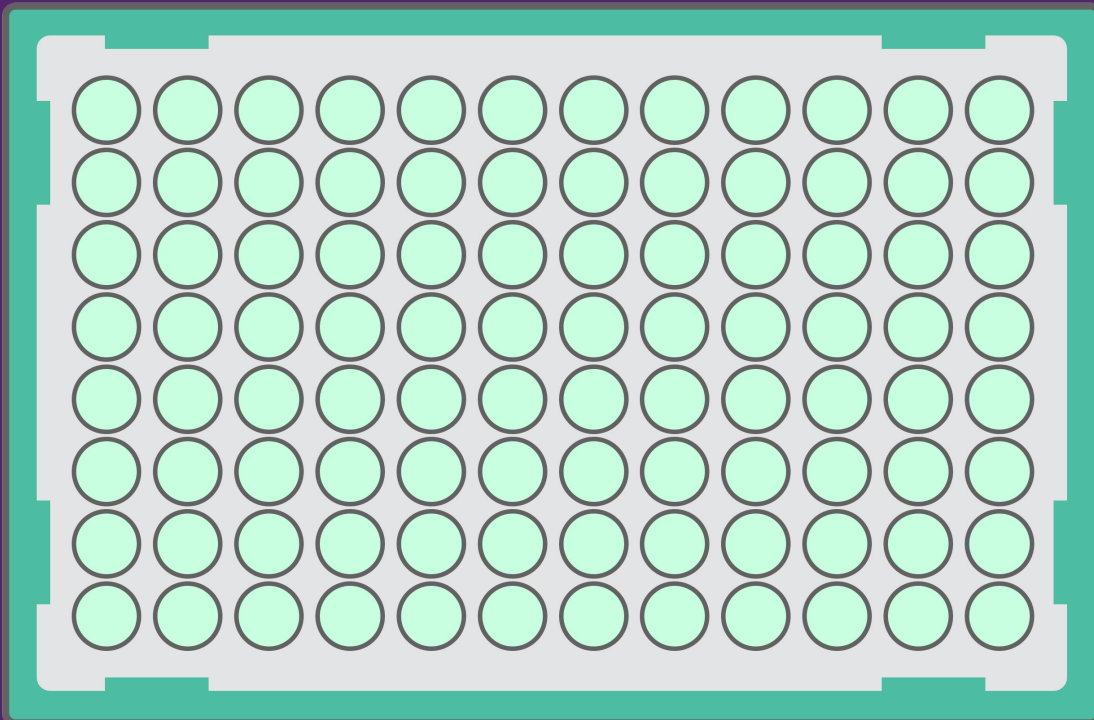
ELISA Genie



Material Safety Data Sheet

ELISA Kit Assays

SKU: FI



1. Chemical Product and Company Identification

MSDS Name: ELISA Kit Assay (Product code containing #FI symbols)

Company Identification: www.ELISAGenie.com

For information, call: +353 83 87 38139

For emergencies, call: +353 83 87 38139

1. Chemical Product and Company Identification

2. Hazards Identification

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

Environmental hazards: Not known

Emergency Overview: To the best of our knowledge, information and data, we have not yet know the healthy and environmental hazards.

1. Chemical Product and
Company Identification

2. Hazards Identification

3. Composition/Information on Ingredients

Product Name: Enzyme Linked Immunosorbent Assay Reagent ELISA Reagent

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 hydrogenorthophosphate	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

1. Chemical Product and Company Identification

2. Hazards Identification

3. Composition/Information of Ingredients

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.

1. Chemical Product and Company Identification
2. Hazards Identification
3. Composition/Information of Ingredients

4. First Aid Measures

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.

1. Chemical Product and Company Identification
2. Hazards Identification
3. Composition/Information of Ingredients
4. First Aid Measures
5. Fire Fighting Measures

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.

1. Chemical Product and Company Identification
2. Hazards Identification
3. Composition/Information of Ingredients
4. First Aid Measures
5. Fire Fighting Measures
- 6. Accidental Release Measures**

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.

1. Chemical Product and Company Identification
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7. Handling and Storage

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.

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7. Handling and Storage
- 8. Exposure Controls/Personal Protection**

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)

Solubility: Miscible in water

Density/Relative: 1.008×10³ kg/m³(20.0° ±0.1°

Density Viscosity: 1.074mm²/s (20.00°±0.02°, kinematic viscosity)

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- 9. Physical and Chemical Properties**

10. Stability/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.

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9. Physical and Chemical Properties
- 10. Stability/Reactivity**

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

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- 11. Toxicological Information**

12. Ecological Information

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

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- 12. Ecological Information**

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.

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- 13. Disposal Considerations**

14. Transportation Information

DOT: Not dangerous goods

IATA: Not dangerous goods

ADR: Not dangerous goods

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15. Regulatory Information

Regulation (EC) No. 1272/2008:

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

Reported by:

Company Name: ELISA Genie (part of Reagentbio Ireland LTD)

Date: 01/03/2017

Authorised Person: Colm Ryan PhD, CEO

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15. Regulatory Information

ELISAGenie



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