

SAFETY DATA SHEET

Section 1: Identification

Product Identifier: Pre-coated ELISA Kit Assay (Product code containing #DL symbols)

Relevant Identified Uses of Substance or Mixture and Uses Advised Against:

Recommended Use: For Research Use Only

Uses Advised against: No information

Company:

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For information about this SDS, please contact: techsupport@assaygenie.com

Section 2: Hazard(s) Identification

2.1. Hazard Classification

No specific hazard.

HMIS rating:

- Health: 0
- Flammability: 0
- Reactivity: 0

NFPA rating:

- Health: 0
- Flammability: 0
- Reactivity: 0

Routes of entry:

Avoid ingestion and inhalation, avoid contact with skin or eyes.

Threshold Limit Value (TLV) and source:

Data N/A. To the best of our knowledge, the chemical, physical, and toxicological properties of the components of this kit have not been thoroughly investigated.

Potential acute health effects:

May cause skin, eye, or lung irritation. To the best of our knowledge, the chemical, physical, and toxicological properties of the components of this kit have not been thoroughly investigated. Allergy-prone individuals should exercise particular caution with proteins or other materials of biological origin.

Carcinogenic effects data:

N/A.

Chronic effects of overexposure:

N/A.

Vapor pressure (mm Hg):

N/A.

Solubility in water:

Liquids readily miscible in water.

Section 3: Composition/ Information on Ingredients

Kit reagents are not considered to be hazardous. They are mixtures that contain less than 1% hazardous chemicals and less than 0.1% carcinogenic chemicals.

Item	Concentration	CAS#
Microwells	-	-
Detection Reagent A	Detection Antibody; 50% glycerol	56-81-5
Detection Reagent B	HRP-linked Avidin, 50% glycerol	56-81-5
Wash Buffer	30X TBS	-
TMB Substrate	0.05%3,3',5,5'tetramethylbenz-idine	54827-17-7
Stop Solution	1mol/L H ₂ SO ₄	7664-93-9
Standards	Calibration substance with preservatives	-
Diluent Buffer	TBS and 0.025% Proclin300	26628-22-8

Section 4: First-Aid Measures**4.1. Skin contact**

If any component of this kit contacts the skin, immediately wash the skin with soap and copious amounts of water. Consult a physician.

4.2. Eye contact

If any component of this kit contacts the eyes, flush the eyes with copious amounts of water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. Consult a physician.

4.3. Inhalation

If any component of this kit is inhaled, move the person to fresh air. If the person is not breathing, perform CPR and seek immediate medical attention.

4.5. Swallowing/Ingestion

If any component of this kit is swallowed, rinse mouth with water, if the person is conscious. Seek medical attention.

Section 5: Fire-Fighting Measures**5.1. Suitable extinguishing agents**

Use dry chemical.

5.2. Special protective equipment for firefighters

Wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing.

5.3. Flammability

May be combustible at high temperatures.

5.4. Flash points

N/A.

5.4. Unusual fire and explosion hazards

None known.

Section 6: Accidental Release Measures**6.1. Personal precautions**

Use appropriate protective equipment.

6.3. Measures for cleaning/collecting

Methods to clean up spilled substances promptly. Collect and dispose of all waste in accordance with applicable laws.

Section 7: Handling and Storage**7.1. Advice Handling**

Material may be air sensitive. Desiccation recommended.

7.2. Storage conditions

The Standard, Detection Reagent A, Detection Reagent B and the 96-well strip plate should be stored at -20°C upon being received. The other reagents can be stored at 4°C.

Section 8: Exposure Controls/Personal Protection

Wear appropriate gloves, protective clothing and eyewear and follow safe laboratory practices.
ACGIH/OSHA Permissible Exposure Limit Data: Not determined.

Section 9: Physical and Chemical Properties

9.1. Information about the physical and chemical properties of the product

Microwells

- **Physical state and appearance:** Solid (microwells)
- **Solubility in water:** Partially soluble

Detection Reagent A, Detection Reagent B, Diluent Buffer

- **Physical state:** Solutions
- **Boiling point:** Decomposes
- **Vapor Pressure:** N/A
- **Vapor density:** N/A
- **Specific gravity:** N/A
- **Melting point:** N/A
- **Evaporation rate:** N/A
- **Solubility in water:** Solutions are dilutable

30X wash buffer, TMB substrate, stop solution:

- **Physical state and appearance:** Clear solutions
- **Boiling point:** Decomposes
- **Vapor Pressure:** N/A
- **Vapor density:** N/A
- **Specific gravity:** N/A
- **Melting point:** N/A
- **Evaporation rate:** N/A
- **Solubility in water:** Solutions are dilutable

Section 10: Stability and Reactivity

10.1. Information about the stability and reactivity

- **Stability and Reactivity:** The product is stable
- **Conditions to avoid:** N/A
- **Incompatible materials:** N/A
- **Hazardous decomposition products:** N/A

Section 11: Toxicological Information

11.1. Irritability

N/A.

11.2. Mutagenicity

N/A.

11.3. Reproduction toxicity

N/A.

11.4. Other toxic effects on human

May cause slight irritation in case of eye contact, inhalation or ingestion.

Section 12: Ecological Information

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

Section 13: Disposal Considerations**13.1. Waste disposal methods**

Consult local, state or national regulations for proper disposal.

Section 14: Transport Information

- **Overland transportation (ADR/RID):** As a mixture, the substance is subject to no limitations.
- **Transatlantic transportation (IMDG):** As a mixture, the substance is subject to no limitations.
- **Air transportation (ICAO/IATA):** As a mixture, the substance is subject to no limitations.

Section 15: Regulatory Information

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

Section 16: Other Information

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This company shall not be held liable for any damage resulting from handling or from contact with the above product. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate local and national safety legislation. The absence of warning must not, under any circumstance be taken to mean that no hazard exists.

Last reviewed: 07/2025

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

****End Of MSDS****