

# SAFETY DATA SHEET

## Section 1: Identification

**Product Identifier:** ELISA Kit Assay (Product code containing #EB 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](mailto:techsupport@assaygenie.com)

## Section 2: Hazard(s) Identification

### 2.1. Hazard Classification

No specific hazard.

### 2.3. HMIS rating

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

### 2.4. NFPA rating

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

### 2.5. Routes of entry

- **Avoid** ingestion and inhalation, avoid contact with skin, 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

### 2.6. 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 be particularly cautious with proteins or other materials of biologic origin.

### Section 3: Composition/ Information on Ingredients

| Item                | Concentration                                 | CAS#       |
|---------------------|---|------------|
| Pre-coated wells    | -   | -          |
| Detection Reagent A | 50% glycerol                                  | 56-81-5    |
| Detection Reagent B | HRP-linked Avidin, 50% glycerol               | 56-81-5    |
| Wash Buffer         | 1% Tween-20                                   | 9005-64-5  |
|                     | 0.33% Thymol                                  | 89-83-8    |
|                     | 25X TBS                                       | -          |
| TMB Substrate       | 0.05% 3,3',5,5'tetramethylbenzidine           | 54827-17-7 |
| Stop Solution       | 1mol/L H <sub>2</sub> SO <sub>4</sub>         | 7664-93-9  |
| Standard            | Recombinant protein, in a buffer, lyophilized | -          |
| Sample Diluent      | 1 x TBS with 1% BSA                           | 9048-46-8  |
|                     | 0.01% Proclin 300                             | -          |
| Assay Diluent A     | 1 x TBS with 1% BSA                           | 9048-46-8  |
|                     | 0.01% Proclin 300                             | -          |
| Assay Diluent B     | 1 x TBS with 1% BSA                           | 9048-46-8  |
|                     | 0.01% Proclin 300                             | -          |

### Section 4: First-Aid Measures

#### 4.1. General advice

First aid personnel should ensure self protection.

#### 4.2. Skin contact

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

#### 4.3. Eye contact

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

#### **4.4. Inhalation**

If any component of this kit is inhaled, remove to fresh air. If not breathing, perform CPR and get immediate medical attention.

#### **4.5. Swallowing/Ingestion**

If any component of this kit is swallowed, wash mouth out with water, provided person is conscious. Get 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. Special hazards arising from the substance or mixture**

None known.

### **Section 6: Accidental Release Measures**

#### **6.1. Personal safety precautions**

Use appropriate personal protective equipment to prevent contamination of skin, eyes and personal clothing.

#### **6.2. Measures for containment and cleaning**

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.

## Section 9: Physical and Chemical Properties

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

#### Pre-coated wells

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

#### Detection Reagent A, Detection Reagent B, Standard Diluent

- **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

#### 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

- **Reactivity and Stability:** 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 humans**

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

**Section 12: Ecological Information**

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

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

Dispose of waste in accordance to applicable national, regional, or local regulations. Burn in a chemical incinerator equipped with an afterburner and scrubber b highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**13.2. Contaminated packaging**

Dispose in the same manner as unused product.

**Section 14: Transport Information**

- **ADR/RID:** As a mixture, the substance is subject to no limitations
- **ICAO/IATA:** As a mixture, the substance is subject to no limitations.
- **IMDG:** As a mixture, the substance is subject to no limitations.

**Section 15: Regulatory Information**

Observe the general safety regulations when handing 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 and circumstance be taken to mean that no hazard exists.

**Last reviewed:** 07/2025

***Disclaimer***

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***\*End Of MSDS\****