

# SAFETY DATA SHEET

## Section 1: Identification

**1.1. Product Identifier:** Collagen Assay Kit (#BA0186)

**1.2. Relevant Identified Uses of Substance or Mixture and Uses Advised Against:**

Recommended Use: For Research Use Only

Uses Advised against: No information

**1.3. Company:**

Assay Genie  
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Ireland  
+353 (01) 8879802

For information about this SDS, please contact: [techsupport@assaygenie.com](mailto:techsupport@assaygenie.com)

## Section 2: Hazard(s) Identification

**2.1. Hazard Classification:**

**GHS Classification**

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Germ cell mutagenicity (Category 2), H341

Specific target organ toxicity (Category 3),  
Respiratory system, H335

**GHS Label elements, including precautionary statements**

Pictogram Signal word: Warning



Hazard statements:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

P273 Avoid release to the environment.

P280 Wear protective gloves/clothing and eye/face protection.

P302 + P352: If on skin: Wash with plenty of soap and water.

P304 + P340: If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a doctor/ physician if you feel unwell.

P332 + P313: If skin irritation occurs: Get medical advice/ attention.

P337 + P313: If eye irritation persists: Get medical advice/ attention.

### Section 3: Composition/ Information on Ingredients

This product contains the following components and mixture of the following substances with non-hazardous additions.

Chemical Name	Volume	CAS#
Dye Reagent	5 mL liquid	-
Buffer	5 mL liquid	-
Digest Enzyme	70 µL Liquid	-
Developer: 1 mL Liquid	Contains 0.1-5% sodium periodate	7790-28-5
Collagen Standard	1 mL Liquid	-

### Section 4: First-Aid Measures

#### 4.1. After skin contact

Itching or burning of the skin. Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Get immediate medical attention. Wash contaminated clothing before reuse.

#### 4.2. After eye contact

Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.

#### 4.3. After inhalation

Remove exposed person from source of exposure to fresh air. If not breathing, clear airway and start cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.

#### 4.5. After swallowing

Get immediate medical attention. Do not induce vomiting unless directed by medical personnel.

## Section 5: Fire-Fighting Measures

### 5.1. Suitable extinguishing agents

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

### 5.2. Special protective equipment for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### 5.3. Unusual fire and explosion hazards

Emits toxic fumes under fire conditions.

## Section 6: Accidental Release Measures

### 6.1. Measurements for small and large spills

Keep unnecessary people away; isolate hazard area and deny entry. Small spills: Take up with sand or other noncombustible absorbent material and place into containers for later disposal. Large spills: Dike far ahead of liquid spill for later disposal. Do not flush to sewer or waterways. Prevent release to the environment if possible.

## Section 7: Handling and Storage

### 7.1. Handling and storage instructions

Keep receptacles tightly sealed and store according to the instructions in the assay protocol.

## Section 8: Exposure Controls/Personal Protection

### 8.1. General protective and hygienic measures

Follow standard laboratory safety procedures, including wearing chemical safety goggles, face shield, gloves, NIOSH approved respiratory protection and protective clothing. Wash and dry hands.

## Section 9: Physical and Chemical Properties

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

Refer to Section 3. COMPOSITION/INFORMATION ON INGREDIENT.

## Section 10: Stability and Reactivity

### 10.1. Information about the stability and reactivity

- **Thermal Decomposition:** no decomposition if used according to specifications
- **Dangerous Products of Decomposition:** nitrogen and sulfur oxides
- **Dangerous Reactions:** none.

## Section 11: Toxicological Information

### 11.1. Acute toxicity

The toxicological effects of this product have not been thoroughly studied. We recommend handling all chemicals with caution.

- **Sodium periodate:** no data available; Inhalation: no data available; Dermal rat: no data available; Skin corrosion/irritation: Corrosive, Serious eye damage/eye irritation: Risk of serious damage to eyes.
- **Hydrochloric acid:** no data available; Inhalation: Inhalation may provoke the following symptoms: Respiratory irritation Cough Difficulty in breathing Pneumonia; Dermal: no data available; Skin corrosion/irritation: Rabbit, Causes burns; Serious eye damage/eye irritation: rabbit, Corrosive to eyes.

## Section 12: Ecological Information

### 12.1. Ecological information

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

## Section 13: Disposal Considerations

### 13.1. Disposal Instructions

Dispose in accordance with local, state or national regulations.

## Section 14: Transport Information

- **DOT (US) - Not dangerous goods.**
- **IMDG - Not dangerous goods.**
- **IATA - Not dangerous goods.**

Additional Transport Information: transport in accordance with local, state and national regulations.

## Section 15: Regulatory Information

OSHA Hazards: Target Organ Effect. SARA 311/312 Hazards: Chronic Health Hazard.

## 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.

*The date of preparation of the SDS or the last change to it*

Last reviewed: 04/2026

**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\***