

Version 01  
Update 08/30/2022

# SAFETY DATA SHEET

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## Section 1-Identification of the substance/mixture and of the company/undertaking

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### 1.1 Identification of the substance or mixture

Product code : L00886

Product name : Benz-Neburase™ Nuclease ELISA Kit

### 1.2 Company/undertaking identification

GenScript Technologies : Manufacture of substances

### 1.3 24 hour Emergency Response:

Emergency Phone #: 1-732-885-9188

Telephone : 1-877-436-7274

Fax : 1-732-210-0262

E-mail address : [product@genscript.com](mailto:product@genscript.com)

Web : <http://www.genscript.com>

### 1.4 For Research Use Only. Not for use in diagnostic procedures.

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## Section 2- Hazards identification

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### 2.1 GHS - Classification

#### Signal Word

None

#### Health hazards

Not classified

#### Physical hazards

Not classified

#### Hazard Statements

Not Applicable

#### Precautionary Statements

Not Applicable

### 2.2 Principle Routes of Exposure Potential Health Effects

#### Eyes

May cause eye irritation with susceptible persons.

#### Skin

May cause skin irritation in susceptible persons.

#### Inhalation

May be harmful by inhalation.

#### Ingestion

May be harmful if swallowed.

### 2.3 Specific effects

#### Carcinogenic effects

None.

#### Mutagenic effects

None.

#### Reproductive toxicity

None.

#### Sensitization

none

#### Target Organ Effects

No known effects under normal use conditions.

### 2.4 HMIS

Health 0

Flammability 0

Reactivity 0

## Section 3- Composition/information on ingredients

Components	Ingredient Name	CAS-No.	EC-No.	Index-No.	Conc.
Capture Plate	ProClin 300	55965-84-9	---	613-167-00-5	0.1%
Benz-Neburase™ Standard					
100x Detection Reagent					
100x Enzyme Conjugate					
Sample Dilution Buffer					
Assay Buffer A					
Assay Buffer B					
20x Wash Solution					
Stop Solution	Hydrochloric Acid	7647-01-0	231-595-7	017-002-01-X	2.63%
TMB Solution	Hydrogen Peroxide	7722-84-1	231-765-0	008-003-00-9	<5%

## Section 4- First aid measures

### 4.1 Skin contact

Rinse cautiously with water for several minutes. Immediate medical attention is not required.

### 4.2 Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

### 4.3 Ingestion

Not expected to present a significant ingestion hazard under anticipated conditions of normal

use. If you feel unwell, seek medical advice.

#### **4.4 Inhalation**

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

#### **4.5 Notes to Physician**

Treat symptomatically.

### **Section 5- Firefighting measures**

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#### **5.1 Suitable extinguishing media**

Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

#### **5.2 Special protective equipment for firefighters**

Standard procedure for chemical fires.

### **Section 6- Accidental release measures**

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#### **6.1 Personal precautions**

Always wear recommended Personal Protective Equipment. Use personal protection equipment.

#### **6.2 Methods for cleaning up**

Soak up with inert absorbent material.

#### **6.3 Environmental precautions**

No special environmental precautions required.

### **Section 7- Handling and storage**

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#### **7.1 Handling**

Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

#### **7.2 Storage**

Store at 2-8°C.

### **Section 8- Exposure controls/personal protection**

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#### **8.1 Exposure Limits**

We are not aware of any national exposure limit.

## 8.2 Engineering measures

Ensure adequate ventilation, especially in confined areas.

## 8.3 Personal Protective Equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific

### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

### Hand protection

Impervious gloves.

### Eye protection

Wear safety glasses with side shields (or goggles).

### Skin and Body Protection

Lightweight protective clothing.

### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

## 8.4 Environmental exposure controls

No special environmental precautions required.

## Section 9- Physical and chemical properties

### 9.1 General information

Components	Physical State	Appearance
Capture Plate	Solid	Colorless Plate
Benz-Neburase™ Standard	Liquid	Clear Solution
100x Detection Reagent	Liquid	Colorless Solution
100x Enzyme Conjugate	Liquid	Yellowish Solution
Sample Dilution buffer	Liquid	Colorless Solution
Assay Buffer A	Liquid	Colorless Solution
Assay Buffer B	Liquid	Yellowish Solution
TMB Solution	Liquid	Colorless Solution
20x Wash Solution	Liquid	Colorless Solution
Stop Solution	Liquid	Colorless Solution
Plate Sealer	Solid	White Paper
Appearance	No data available	

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Odor	No data available
Odor Threshold	No data available
Boiling point / boiling range	No data available
Melting point / melting range	No data available
flash point:	No data available
Autoignition Temperature	No data available
Oxidizing properties	No data available
Water solubility	No data available

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## Section 10- Stability and Reactivity

### 10.1 Stability

The unopened kit is stable for at least 12 months from the date of manufacture if stored at 2°C to 8°C, and the opened kit is stable for up to 1 month from the date of opening at 2°C to 8°C.

### 10.2 Materials to avoid

No dangerous reaction known under conditions of normal use.

### 10.3 Hazardous decomposition

None under normal use conditions.

### 10.4 Products polymerization

Hazardous polymerization does not occur.

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## Section 11-Toxicological information

### 11.1 Acute Toxicity

No toxicology information is available.

### 11.2 Principle Routes of Exposure Potential Health Effects

eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
inhalation	May be harmful by inhalation.
Ingestion	May be harmful if swallowed.
Carcinogenic effects	None.
Mutagenic effects	None.
Reproductive toxicity	None.
Sensitization	None.

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## Section 12- Ecological information

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<b>12.1 Ecotoxicity</b>	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
<b>12.2 Mobility</b>	No information available.
<b>12.3 Biodegradation</b>	Inherently biodegradable.
<b>12.4 Bioaccumulation</b>	Material does not bioaccumulate.

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### Section 13- Disposal considerations

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Dispose of contents/containers in accordance with local regulations.

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### Section 14- Transport information

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#### 14.1 IATA

<b>Proper Shipping Name</b>	No dangerous good in sense of these transport regulations
<b>Hazard Class</b>	None
<b>Subsidiary class</b>	None
<b>Packing group</b>	None
<b>UN-No</b>	None

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### Section 15- Regulatory information

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#### 15.1 US Federal Regulations

##### **SARA 313**

This product is not regulated by SARA.

##### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain HAPs.

#### 15.2 US State Regulations

##### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

#### 15.3 WHMIS Hazard Class

##### **Non-controlled**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

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### Section 16- Other information

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#### 16.1 Reason for revision

SDS sections updated.

For Research Use Only. Not for use in diagnostic procedures.

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