

# SAFETY DATA SHEET

SDS DATE: December 02, 2020



## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** SARS-CoV-2 Nucleocapsid IgG ELISA Kit  
**PRODUCT CODES:** Cat# E4903-100  
**RESTRICTIONS ON USE:** For laboratory research purposes. Not for drug or household use.  
**MANUFACTURER:** BioVision, Inc.  
**ADDRESS:** 155 S. Milpitas Blvd. Milpitas, CA 95035  
**EMERGENCY PHONE:** 858-373-8066  
**OTHER CALLS:** 408-493-1800  
**FAX PHONE:** 408-493-1801

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Component	Description	Volume	Safety Information
Nucleocapsid Protein-Coated ELISA Plate	Contains Tween-20	8 x 12 Strips	See Below
Wash Buffer (10X)	Liquid (Contains Tween-20)	50 ml	See Below
Sample Diluent	Liquid (Contains Tween-20 & Proclin 300)	50 ml	See Below
Anti-IgG-HRP Conjugate (1000X)	Liquid (Contains Pierce Peroxidase Conjugate Stabilizer)	50 µl	See Below
Positive Control Serum	Liquid	30 µl	No hazards
Negative Control Serum	Liquid	60 µl	No hazards
TMB Substrate	Liquid	10 ml	No hazards
Stop Solution	Liquid (contains HCl)	10 ml	See Below
Plate Sealing Film	--	2	No hazards

## SECTION 3: HAZARDS IDENTIFICATION

Component	CAS Number	EC-No.	Molecular Weight	Chemical Formula	Concentration
Tween-20	9005-64-5	500-018-3	1228	C <sub>58</sub> H <sub>114</sub> O <sub>26</sub>	<1%
Proclin 300	--	--	--	--	<0.1%
Pierce Peroxidase Conjugate Stabilizer	107-21-1	203-473-3	--	--	<10%
HCl	7647-01-0	231-595-7	36.46	HCl	<10%

### Pierce Peroxidase Conjugate Stabilizer:

#### Emergency Overview

**GHS Classification:** Acute oral toxicity Category 4

**GHS Label elements, including precautionary statements**



**Pictogram:**

**Signal word:**

**Hazard statement(s):**

**Precautionary statement(s):**

Warning

H302 - Harmful if swallowed

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P264 - Wash hands thoroughly after handling

P330 - Rinse mouth

P270 - Do not eat, drink or smoke when using this product

**HMIS Classification**

Health hazard: 1

Chronic health hazard: \*

Flammability: 0

Physical hazards: 2

**NFPA Rating**

# SAFETY DATA SHEET

SDS DATE: December 02, 2020



Health hazard: 3  
Fire: 0  
Reactivity hazard: 0  
Special hazard: W

## Potential Health Effects

**Inhalation:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.  
**Skin:** May be harmful if absorbed through skin. Causes skin burns.  
**Eyes:** Causes eye burns.  
**Ingestion:** May be harmful if swallowed

## HCl:

### Emergency Overview

**GHS Classification:** Corrosive to metals (Category 1), H290  
Skin corrosion (Category 1A), H314  
Eye irritation (Category 2A), H319  
Short-term (acute) aquatic hazard (Category 3), H402

### GHS Label elements, including precautionary statements

#### Pictogram:



**Signal word:** Danger  
**Hazard statement(s):** H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.  
H402 Harmful to aquatic life.  
**Precautionary statement(s):** P234 Keep only in original container.  
P260 Do not breathe dust or mist.  
P264 Wash skin thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.  
P390 Absorb spillage to prevent material damage.  
P405 Store locked up.  
P406 Store in corrosive resistant container with a resistant inner liner.  
P501 Dispose of contents/ container to an approved waste disposal plant.

## HMIS Classification

Health hazard: 2  
Chronic Health Hazard: \*  
Flammability: 1  
Physical hazards: 0

## NFPA Rating

Health hazard: 1  
Fire: 1  
Reactivity Hazard: 0

## Potential Health Effects

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.  
**Skin:** May be harmful if absorbed through skin. May cause skin irritation.  
**Eyes:** May cause eye irritation.  
**Ingestion:** May be harmful if swallowed.

---

## SECTION 4: FIRST AID MEASURES

---

### Pierce Peroxidase Conjugate Stabilizer:

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention..

**In case of skin contact:** Wash off immediately with plenty of water for at least 15 minutes. Take off all contaminated clothing and wash it before reuse. Immediate medical attention is required.

**In case of eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

**If swallowed:** Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

## HCl:

# SAFETY DATA SHEET

SDS DATE: December 02, 2020



**General advice** Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

**If swallowed** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## SECTION 5: FIRE-FIGHTING MEASURES

### Pierce Peroxidase Conjugate Stabilizer:

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

**Special protective equipment for firefighters** Wear self-contained breathing apparatus and protective

### HCl:

**Suitable extinguishing media** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture** Carbon oxides

**Advice for firefighters** Wear self-contained breathing apparatus for firefighting if necessary.

**Further information** No data available

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Pierce Peroxidase Conjugate Stabilizer:

**Personal precautions** Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Use personal protection equipment.

**Methods for cleaning up** Soak up with inert absorbent material.

### HCl:

**Personal precautions, protective equipment and emergency procedures** Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and materials for containment and cleaning up** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## SECTION 7: HANDLING AND STORAGE

### Pierce Peroxidase Conjugate Stabilizer:

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

**Storage** Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers. Recommended storage temperature: -20°C.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Pierce Peroxidase Conjugate Stabilizer:

#### **Personal protective equipment**

##### **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.

### HCl:

Components	CAS-No.	Value	Control parameters	Basis
HCl	1310-73-2	CEIL	2 mg/m <sup>3</sup>	USA. ACGIH Threshold Values (TLV)
		C	2 mg/m <sup>3</sup>	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	2 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		C	2 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Values (TLV)
		Eye, skin, & Upper Respiratory Tract irritation		
		C	1 ppm 1.4 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Pierce Peroxidase Conjugate Stabilizer	HCl
Appearance	Liquid	Light yellow liquid

# SAFETY DATA SHEET

SDS DATE: December 02, 2020



pH:	No data available	< 1 at 20 °C
Water Solubility:	No data available	soluble
Other Solubility:	No data available	No data available
Boiling Point (°C):	No data available	> 100 °C - lit.
Melting Point (°C):	No data available	-30 °C
Flash Point (°C):	No data available	Not applicable
Ignition Temperature (°C):	No data available	No data available
Density:	No data available	1,2 g/cm <sup>3</sup> at 25 °C

## SECTION 10: STABILITY AND REACTIVITY

Property	Pierce Peroxidase Conjugate Stabilizer	HCl
Chemical stability:	Stable under recommended storage conditions.	
Conditions to avoid:	No data available	No data available
Materials to avoid:	No data available	Bases, Amines, Alkali metals, Metals, permanganates, for example potassium permanganate, Fluorine, metal acetylides, hexalithium disilicide
Hazardous decomposition products:	No data available	Hydrogen chloride gas (fire condition)

## SECTION 11: TOXICOLOGICAL INFORMATION

### HCl:

**Acute toxicity:** no data available

**Skin corrosion/irritation:** Skin - rabbit

Result: Causes severe burns. - 24 h

**Serious eye damage/eye irritation:** Eyes - rabbit

Result: Corrosive - 24 h

**Respiratory or skin sensitization:** Will not occur

**Germ cell mutagenicity:** no data available

### Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** no data available

**Teratogenicity:** no data available

**Specific target organ toxicity – single exposure (GHS):** no data available

**Specific target organ toxicity – repeated exposure (GHS):** no data available

**Aspiration hazard:** no data available

**Synergistic effects:** no data available

**Additional information:** RTECS: WB4900000

## SECTION 12: ECOLOGICAL INFORMATION

### Pierce Peroxidase Conjugate Stabilizer:

**Ecotoxicity:** Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

**Persistence and degradability:** no data available

**Toxicity:** no data available

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available

**PBT and vPvB assessment:** no data available

**Other adverse effects:** no data available

### HCl:

**Persistence and degradability:** no data available

**Toxicity:** no data available

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available

**PBT and vPvB assessment:** no data available

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Pierce Peroxidase Conjugate Stabilizer:

Dispose of contents/containers in accordance

# SAFETY DATA SHEET

SDS DATE: December 02, 2020



**HCl:**

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging:** Dispose of as unused product.

---

## SECTION 14: TRANSPORT INFORMATION

---

**Pierce Peroxidase Conjugate Stabilizer:**

**DOT (US):** Not dangerous goods.

**IMDG:** Not dangerous goods.

**IATA:** Not dangerous goods.

**HCl**

**DOT (US):** UN number: 1823 Class: 8 Packing group: II

Proper shipping name: HCl, solid

Reportable Quantity (RQ): 1000 lbs

Marine pollutant: No

Poison Inhalation Hazard: No

**IMDG:** UN number: 1823 Class: 8 Packing group: II EMS-No: F-A, S-B

Proper shipping name: HCL, SOLID

Marine pollutant: No

**IATA:** UN number: 1823 Class: 8 Packing group: II

Proper shipping name: HCl, solid

---

## SECTION 15: REGULATORY INFORMATION

---

**SARA 302 Components:** No components are subject to reporting levels established by SARA Title III, Section 302


**SARA 313 Components:** No components are subject to reporting levels established by SARA Title III, Section 313

**SARA 311/312 Hazards:** HCl, Acute Health Hazard;

**Massachusetts Right To Know Components:** HCl, CAS-No. 1310-73-2; Revision Date: 2007-03-01;

**Pennsylvania Right To Know Components:** HCl, CAS-No. 1310-73-2; Revision Date: 2007-03-01;

**New Jersey Right To Know Components:** HCl, CAS-No. 1310-73-2; Revision Date: 2007-03-01;

**California Prop. 65 Components:**  **WARNING:** This product can expose you to chemicals including TMB, which is known to the State of California to cause cancer, For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### EU regulations

Component	Risk Phrases	Safety Phrases
Tween-20		
Proclin 300		
Pierce Peroxidase Conjugate Stabilizer		
HCl		

---

## SECTION 16: OTHER INFORMATION:

---

**DISCLAIMER:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BioVision, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.