



# Safety Data Sheet

## Target Capture Reagent

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### Product Identifier

**Product Name** Target Capture Reagent

#### Recommended use of the chemical and restrictions on use

**Specific use(s)** Aptima SARS-CoV-2 Assay

**Recommended Use** US Only: For Emergency Use Authorization (EUA) Only / CE-IVD

#### Details of the supplier of the safety data sheet

**United States of America Distributor** Hologic, Inc.  
10210 Genetic Center Drive  
San Diego, CA 92121-4362  
USA

**Canadian Distributor** Hologic Canada Limited  
130 Spadina Avenue, Suite 401  
Toronto, ON, M5V-2L4  
Canada  
1-877-209-7192

#### **Emergency Telephone - United States of America**

**24 Hour Emergency Phone Number** Chemtrec, U.S. and Canada 1-800-424-9300; Chemtrec International + 1-703-741-5970

**For further information, please contact:** [MolecularSupport@hologic.com](mailto:MolecularSupport@hologic.com)

### SECTION 2: Hazards identification

#### Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### Emergency Overview

#### Label Elements

#### ERG Code

#### Hazards not otherwise classified (HNOC)

H412 - Harmful to aquatic life with long lasting effects. H401 - Toxic to aquatic life.

#### Unknown Acute Toxicity

17.28% of the mixture consists of ingredient(s) of unknown toxicity

### SECTION 3: Composition/information on ingredients

## Target Capture Reagent

### Substances

Not applicable

### Mixtures

Mixtures

### OSHA Hazard Classification

The product contains no substances, which at their given concentration, are considered to be hazardous to health.

| Component name                    | CAS No    | %     |
|-----------------------------------|-----------|-------|
| EDTA                              | 60-00-4   | 1 - 5 |
| Lithium Hydroxide,<br>Monohydrate | 1310-66-3 | 1 - 5 |

## SECTION 4: First aid measures

### First aid measures

|                     |  |
|---------------------|--|
| <b>Eye contact</b>  | In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If symptoms persist, call a physician. |
| <b>Skin Contact</b> | Wash skin with soap and water. If symptoms persist, call a physician.  |
| <b>Inhalation</b>   | Remove to fresh air. If symptoms persist, call a physician.  |
| <b>Ingestion</b>    | Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.                                      |

### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

## SECTION 5: Firefighting measures

|  |  |
|--|--|
| <b>Flammability</b>  | Not flammable.   |
| <b>Suitable Extinguishing Media</b>                          | Use extinguishing agent suitable for type of surrounding fire.   |
| <b>Protective equipment and precautions for firefighters</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

|                                  |   |
|----------------------------------|---|
| <b>Personal precautions</b>      | Use personal protective equipment as required.        |
| <b>Environmental precautions</b> | See Section 12 for additional ecological information. |

### Methods and material for containment and cleaning up

|                                |   |
|--------------------------------|---|
| <b>Methods for containment</b> | Cover with absorbent or contain.  |
| <b>Methods for cleaning up</b> | Soak up with inert absorbent material. Dispose of contents/containers in accordance with local regulations. |

## SECTION 7: Handling and storage

|                                      |  |
|--------------------------------------|--|
| <b>Precautions for safe handling</b> | Avoid prolonged contact with eyes, skin, and clothing. No known effects under normal use conditions. |
| <b>Advice on safe handling</b>       | Handle in accordance with good industrial hygiene and safety practice. Avoid contact with            |

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skin and eyes. Wash hands thoroughly after handling. Use personal protection recommended in Section 8.

### **Conditions for safe storage, including any incompatibilities**

**Storage** Store in accordance with local regulations. Use appropriate containment to avoid environmental contamination.

## **SECTION 8: Exposure Controls/Personal Protection.**

### **Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### **United States of America**

#### **Canada**

#### **Mexico**

### **Appropriate engineering controls**

**Engineering Controls** Provide adequate ventilation. Showers. Eyewash stations.

### **Individual protection measures, such as personal protective equipment**

|                                 |   |
|---------------------------------|---|
| <b>Eye/face protection</b>      | Wear safety glasses with side shields (or goggles). |
| <b>Skin and body protection</b> | Wear suitable protective clothing.                  |
| <b>Hand Protection</b>          | Wear protective gloves.                             |
| <b>Respiratory protection</b>   | Not applicable                                      |

### **Other Information**

**Environmental exposure controls** No information available.

## **SECTION 9: Physical and chemical properties**

### **Information on basic physical and chemical properties**

|                             |                          |
|-----------------------------|--------------------------|
| <b>Physical State @20°C</b> | Liquid                   |
| <b>Color</b>                | Brown suspension         |
| <b>Odor</b>                 | No information available |
| <b>Odor threshold</b>       | No information available |

| <b>Property</b>                      | <b>Values</b>            |
|--------------------------------------|--------------------------|
| <b>pH</b>                            | ~ 6.4                    |
| <b>Melting point/freezing point</b>  |                          |
| <b>Boiling point / boiling range</b> | No information available |
| <b>Flash point</b>                   |                          |
| <b>Method</b>                        | No information available |
| <b>Evaporation rate</b>              | No information available |
| <b>Flammability (solid, gas)</b>     | No information available |
| <b>Flammability Limits in Air</b>    |                          |
| <b>Upper flammability limits</b>     | No information available |
| <b>Lower flammability limit</b>      | No information available |
| <b>Vapor pressure</b>                | No information available |
| <b>Vapor density</b>                 | No information available |
| <b>Relative density</b>              | Not determined           |
| <b>Water solubility</b>              | No information available |
| <b>Solubility(ies)</b>               | No information available |
| <b>Partition coefficient</b>         | No information available |
| <b>Autoignition temperature</b>      | No information available |

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Decomposition temperature No information available
Viscosity No information available
Explosive properties No information available
Oxidizing properties No information available

SECTION 10: Stability and reactivity

Reactivity None under normal use conditions.
Stability Stable under normal conditions.
Possibility of Hazardous Reactions None under normal use conditions.
Hazardous polymerization None under normal use conditions.
Conditions to avoid None under normal use conditions.
Incompatible materials. None under normal use conditions.
Hazardous Decomposition Products None under normal use conditions.
Materials to avoid None under normal use conditions.

SECTION 11: Toxicological information

Information on likely routes of exposure

Product Information Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation None under normal use conditions.
Eye contact None under normal use conditions.
Skin Contact None under normal use conditions.
Ingestion None under normal use conditions.

Table with 4 columns: Component name, LD50/oral/rat - (mg/kg), LD50/dermal/rat - (mg/kg), Inhalation LC50. Rows include Lithium Chloride, EDTA, and Lithium Hydroxide, Monohydrate.

Information on toxicological effects

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.
Serious eye damage/eye irritation No information available.
Sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity No information available.

Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.

Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 17.28% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

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**ATEmix (oral)** 3788 mg/kg  
**ATEmix (inhalation-dust/mist)** 33.9 mg/l

**SECTION 12: Ecological information**

**Ecotoxicity**

20 - 50% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

| Component name  | Algae/aquatic plants                         | Fish   | Toxicity to microorganisms | Crustacea                                |
|-----------------|--|--|----------------------------|--|
| EDTA<br>60-00-4 | 1.01: 72 h Desmodesmus subspicatus mg/L EC50 | 34 - 62: 96 h Lepomis macrochirus mg/L LC50 static |                            | 113: 48 h Daphnia magna mg/L EC50 Static |

**Persistence and degradability** No information available.

**Bioaccumulation** No information available.

**Mobility** No information available.

**Other adverse effects** No information available.

**SECTION 13: Disposal Considerations.**

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Waste from Residues / Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**SECTION 14: Transport information**

**DOT** Not regulated

**TDG** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**SECTION 15: Regulatory information**

**International Inventories**

| Component name                | TSCA    | EINECS/ELINCS | DSL/NDSL | PICCS |
|-------------------------------|---------|---------------|----------|-------|
| Water<br>7732-18-5            | Present | X             | X        | X     |
| Lithium Chloride<br>7447-41-8 | Present | X             | X        | X     |
| HEPES<br>7365-45-9            | Present | X             | X        | X     |
| EDTA<br>60-00-4               | Present | X             | X        | X     |

|                               |
|-------------------------------|
| <i>Target Capture Reagent</i> |
|-------------------------------|

|   |   |   |   |   |
|---|---|---|---|---|
| Lithium Hydroxide, Monohydrate<br>1310-66-3 | - | - | - | X |
|---|---|---|---|---|

| Component name                              | ENCS    | IECSC | AICS | KECL    |
|---|---------|-------|------|---------|
| Water<br>7732-18-5                          | Present | X     | X    | Present |
| Lithium Chloride<br>7447-41-8               | Present | X     | X    | Present |
| HEPES<br>7365-45-9                          | -       | X     | X    | -       |
| EDTA<br>60-00-4                             | Present | X     | X    | Present |
| Lithium Hydroxide, Monohydrate<br>1310-66-3 | Present | X     | X    | -       |

Legend

X - Present

- Not Listed

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

|                                   |    |
|-----------------------------------|----|
| Acute health hazard               | No |
| Chronic Health Hazard             | No |
| Fire hazard                       | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard                   | No |

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

| Component name  | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-----------------|-----------------------------|------------------------|---------------------------|----------------------------|
| EDTA<br>60-00-4 | 5000 lb                     |                        |                           | X                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

| Component name  | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|-----------------|--------------------------|----------------|--|
| EDTA<br>60-00-4 | 5000 lb                  |                | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product may contain substances regulated by state right-to-know regulations.

| Component name | New Jersey | Massachusetts | Pennsylvania |
|----------------|------------|---------------|--------------|
| EDTA           | X          | X             | X            |

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|   |   |  |  |
|---|---|--|--|
| 60-00-4                                     |   |  |  |
| Lithium Hydroxide, Monohydrate<br>1310-66-3 | X |  |  |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**International Regulations**

**Canada**

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

**WHMIS Hazard Class**

D2B - Toxic materials

**Mexico**

No information available

**SECTION 16: Other information**

**Revision Date** 21-May-2020

**Version** 2

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 Safety Data Sheet**