REF 1002193
Onyx® Genome Engineering Kit
Cell Input Tube - E. coli INSC1003

<table>
<thead>
<tr>
<th>Consumable ID Number</th>
<th>Consumable Ref Number and Relevant Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>1002189</td>
<td>INSC1003 E. coli</td>
</tr>
</tbody>
</table>

*Note: Consumable wells are numbered such that Well 1 is the well closest to the Chamfer*
SECTION 1: IDENTIFICATION

1.1. Product Identifier
Product Form: Mixture
Product Name: INSC1003 E. coli

1.2. Intended Use of the Product
Use of the Substance/Mixture: No use is specified.

1.3. Name, Address, and Telephone of the Responsible Party
Company
Inscripta, Inc.
5764 Pacific Center Blvd
San Diego, CA 92121
619-708-8130
www.inscripta.com

1.4. Emergency Telephone Number
Emergency Number: 1-800-535-5053

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture
Not classified

2.2. Label Elements
GHS-US Labeling
No labeling applicable according to 29 CFR 1910.1200.

2.3. Other Hazards
Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)
No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Synonyms</th>
<th>Product Identifier</th>
<th>%</th>
<th>GHS US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,3-Propanetriol</td>
<td>Glycerin / Glycerine / Glycerol / 1,2,3-Trihydroxypropane / GLYCERIN / Propane-1,2,3-triol / glycerin</td>
<td>(CAS-No.) 56–81–5</td>
<td>10 – 20</td>
<td>Not classified</td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>Methylcarbinol / Ethanol / ALCOHOL / Alcohol anhydrous / Alcohol / Grain alcohol / alcohol</td>
<td>(CAS-No.) 64–17–5</td>
<td>&lt; 0.1</td>
<td>Flam. Liq. 2, H225     Eye Irrit. 2A, H319</td>
</tr>
</tbody>
</table>
SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Chronic Symptoms: None expected under normal conditions of use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂).
SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures
   General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

6.1.1. For Non-Emergency Personnel
   Protective Equipment: Use appropriate personal protective equipment (PPE).

6.1.2. For Emergency Personnel
   Protective Equipment: Equip cleanup crew with proper protection.
   Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions
   Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up
   For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
   Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections
   See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling
   Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray.
   Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities
   Technical Measures: Comply with applicable regulations.
   Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.
   Incompatible Materials: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)
   No use is specified.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters
   For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

<table>
<thead>
<tr>
<th>Substance</th>
<th>USA OSHA</th>
<th>USA ACGIH</th>
<th>USA NIOSH</th>
<th>USA IDLH</th>
<th>USA OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,3-Propanetriol (56-81-5)</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>ACGIH STEL (ppm)</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>IDLH (ppm)</td>
<td>OSHA PEL (TWA) (ppm)</td>
</tr>
<tr>
<td>Ethyl alcohol (64-17-5)</td>
<td>15 mg/m³ (mist, total particulate)</td>
<td>1000 ppm</td>
<td>1900 mg/m³</td>
<td>3300 ppm (10% LEL)</td>
<td>1900 mg/m³</td>
</tr>
<tr>
<td>Chloramphenicol (56-75-7)</td>
<td>OSHA REL (TWA) (mg/m³)</td>
<td>NIOSH REL (TWA) [ppm]</td>
<td>US IDLH (ppm)</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>USA AIHA</td>
<td>WEEL TWA (mg/m³)</td>
<td>0.5 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure Controls
   Appropriate Engineering Controls: Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.
   Materials for Protective Clothing: Chemically resistant materials and fabrics.

3/11/2022
EN (English US)
Hand Protection: Wear protective gloves.
Eye and Face Protection: Chemical safety goggles.
Skin and Body Protection: Wear suitable protective clothing.
Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties
Physical State: Liquid
Appearance: No data available
Odor: No data available
Odor Threshold: No data available
pH: No data available
Evaporation Rate: No data available
Freezing Point: No data available
Melting Point: No data available
Boiling Point: No data available
Auto-ignition Temperature: No data available
Decomposition Temperature: No data available
Flammability (solid, gas): Not applicable
Vapor Pressure: No data available
Relative Vapor Density at 20°C: No data available
 Relative Density: No data available
Solubility: No data available
Partition Coefficient: N- Octanol/Water: No data available
Viscosity: No data available

9.2. Other Information: No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Hazardous reactions will not occur under normal conditions.
10.2. Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
10.3. Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
10.4. Conditions to Avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials.
10.5. Incompatible Materials: Strong acids, strong bases, strong oxidizers.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects
Acute Toxicity (Oral): Not classified
Acute Toxicity (Dermal): Not classified
Acute Toxicity (Inhalation): Not classified

1,2,3-Propanetriol (56-81-5)
LD50 Oral Rat: 12600 mg/kg
LD50 Dermal Rabbit: > 10 g/kg
LC50 Inhalation Rat: > 570 mg/m³ (Exposure time: 1 h)

Ethyl alcohol (64-17-5)
LD50 Oral Rat: 10470 mg/kg
LD50 Dermal Rat: 20 ml/kg
LC50 Inhalation Rat: 124.7 mg/l/4h

Chloramphenicol (56-75-7)
LD50 Oral Rat: 2500 mg/kg

Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified

| Ethyl alcohol (64-17-5) |  
|-------------------------|---|
| IARC group              | 1 |
| OSHA Hazard Communication Carcinogen List | In OSHA Hazard Communication Carcinogen list.

| Chloromphenicol (56-75-7) |  
|---------------------------|---|
| IARC group                | 2A |
| National Toxicology Program (NTP) Status | Reasonably anticipated to be Human Carcinogen, Substances delisted from report on Carcinogens.

| OSHA Hazard Communication Carcinogen List | In OSHA Hazard Communication Carcinogen list.

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

<table>
<thead>
<tr>
<th>Symptoms/Injuries After Inhalation</th>
<th>Prolonged exposure may cause irritation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symptoms/Injuries After Skin Contact</td>
<td>Prolonged exposure may cause skin irritation.</td>
</tr>
<tr>
<td>Symptoms/Injuries After Eye Contact</td>
<td>May cause slight irritation to eyes.</td>
</tr>
<tr>
<td>Symptoms/Injuries After Ingestion</td>
<td>Ingestion may cause adverse effects.</td>
</tr>
<tr>
<td>Chronic Symptoms</td>
<td>None expected under normal conditions of use.</td>
</tr>
</tbody>
</table>

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

| 1,2,3-Propanetriol (56-81-5) |  
|-------------------------------|---|
| LC50 Fish 1                  | 54000 (51000 – 57000) mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |

| Ethyl alcohol (64-17-5) |  
|-------------------------|---|
| LC50 Fish 1             | 11200 mg/l |
| EC50 Daphnia 1          | 9268 – 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 Fish 2             | > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| ErC50 (Algae)           | 1000 mg/l |
| NOEC Chronic Crustacea  | 9.6 mg/l |

#### 12.2. Persistence and Degradability

| INSC1003 E. coli |  
|------------------|---|
| Persistence and Degradability | Not established. |

#### 12.3. Bioaccumulative Potential

| INSC1003 E. coli |  
|------------------|---|
| Bioaccumulative Potential | Not established. |

| 1,2,3-Propanetriol (56-81-5) |  
|-------------------------------|---|
| BCF Fish 1                   | (no bioaccumulation) |
| Partition coefficient n-octanol/water (Log Pow) | -1.76 |

| Ethyl alcohol (64-17-5) |  
|-------------------------|---|
| Partition coefficient n-octanol/water (Log Pow) | -0.32 |

#### 12.4. Mobility in Soil

No additional information available

#### 12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.


### SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.
14.1. In Accordance with DOT Not regulated for transport
14.2. In Accordance with IMDG Not regulated for transport
14.3. In Accordance with IATA Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

1,2,3-Propanetriol (56–81–5)
- Listed on the United States TSCA (Toxic Substances Control Act) inventory

Ethyl alcohol (64–17–5)
- Listed on the United States TSCA (Toxic Substances Control Act) inventory

Chloramphenicol (56–75–7)
- Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. US State Regulations

1,2,3-Propanetriol (56–81–5)
- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) List

Ethyl alcohol (64–17–5)
- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) List

Chloramphenicol (56–75–7)
- U.S. - Massachusetts - Right To Know List
- U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
- U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision: 02/08/2021
Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

GHS Full Text Phrases:

<table>
<thead>
<tr>
<th>Carc. 1B</th>
<th>Carcinogenicity Category 1B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation Category 2A</td>
</tr>
<tr>
<td>Flam. Liq. 2</td>
<td>Flammable liquids Category 2</td>
</tr>
<tr>
<td>Repr. 2</td>
<td>Reproductive toxicity Category 2</td>
</tr>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapor</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer</td>
</tr>
<tr>
<td>H361</td>
<td>Suspected of damaging fertility or the unborn child</td>
</tr>
</tbody>
</table>

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)