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|  | <h1>Safety Data Sheet</h1> | Doc. No.:       | 100036-SDS<br>100038-SDS<br>100046-SDS<br>100048-SDS |
|   |                            | Revision No.:   | 5.0  |
|   |                            | Effective Date: | 16DEC2022  |

**Section 1: Identification**

**1.1** Product Identifier(s):

Product/Material Name: P/N 100036, TELL-Seq™ Library Reagent Box 2 V1 RUO  
 Product/Material Name: P/N 100038, TELL-Seq™ Library Reagent Box 2 HT24 V1 RUO  
 Product/Material Name: P/N 100046, TELL-Seq™ Microbial Library Reagent Box 2 V1 RUO  
 Product/Material Name: P/N 100048, TELL-Seq™ Microbial Library Reagent Box 2 HT V1 RUO

**1.2** Manufactured by:

Company: Universal Sequencing Technology  
 Address(es): 6155 Corte Del Cedro, Carlsbad, CA 92011  
 Phone Number(s): +1 857-999-0988  
 Website: www.universalsequencing.com

**1.3** Identified uses of the product, material or substance:

Recommended Use: This product is for research and development use only  
 Uses Advised Against: This product is NOT to be used in diagnostic procedures

**Section 2: Hazard(s) Identification**

**2.1** Classification of Product/material

This product/material is considered not hazardous

**2.2** Signal Words

None

**2.3** Hazard Statement

There are no known hazards associated with this product/material

**2.4** Hazard Symbols

None

**2.5** Precautionary Statement(s)

None

**2.6** Description of any Hazards not Otherwise Classified:

None

### Section 3: Composition / Information of Ingredients

#### 3.1 Substances:

General aqueous buffers and synthetic oligonucleotides. With all the products/materials in this kit being non-hazardous, this limits the risk.

#### 3.2 Mixtures:

Salt Buffers, synthetic oligonucleotides attached to a substrate in buffer.

#### 3.3 Chemicals with Trade Secret

A patent is pending for the synthetic oligonucleotide attached to a substrate in buffer. This remains an aqueous and non-hazardous material.

### Section 4: First Aid Measures

#### 4.1 Description of First Aid Measures:

**Eyes:** in case of contact, immediately flush eyes with plenty of water. Get medical aid if irritation develops and persists.

**Skin:** in case of contact, flush skin with plenty of water. Get medical aid if irritation develops and persists.

**Ingestion:** if swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Inhalation:** if inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid

**Notes to Physician:** treat symptomatically and supportively

### Section 5: Fire Fighting Measures

#### 5.1 General Information:

As in any fire, wear a self-contained breathing apparatus in pressure demand, and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Combustible liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.

#### 5.2 Extinguishing media:

Use water spray, dry chemical, carbon dioxide, or appropriate foam. Alcohol-resistant fire fighting foam is recommended for use on all water-soluble liquids or polar solvent-type liquids.

### 5.3 Special Hazards Arising from Substances or Mixtures:

No data available

### 5.4 Further Information:

No data available

## Section 6: Accidental Release Measures

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Use proper personal protective equipment as indicated in Section 8. Avoid dust formation, breathing vapors, mist or gas. Remove all ignition sources as added precaution.

### 6.2 Methods and Material used for Containment:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container away from any ignition source and provide ventilation.

## Section 7: Handling and Storage

### 7.1 Precautions for Safe Handling

As a general precaution, always wear gloves when handling product/materials/chemicals in a laboratory/industrial setting. Handle in accordance with good industrial hygiene and safety practices. Follow Section 4's First Aid Measures if you come in contact with the product/material. Utilize standard good lab practices. Use in a well ventilated area and wear standard PPE.

### 7.2 Conditions for Safe Storage:

Keep containers tightly closed and at the recommended storage temperatures.

## Section 8: Exposure Controls / Personal Protection

### 8.1 Control Parameters:

No data available

### 8.2 Engineering Controls:

Facilities storing or utilizing this product/material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### 8.3 Personal Protective Equipment (PPE):

**Eyes:** wear eye protection, chemical splash goggles, safety glasses.

**Skin:** wear latex or nitrile gloves, lab coat, apron as necessary.

**Inhalation:** Respiratory protections not required.

## Section 9: Physical and Chemical Properties

### 9.1 Information/Details on Basic Physical and Chemical Properties:

**Physical State:** All components within the kit are liquid at room temperature

**Appearance:** All components are clear, colorless liquids at room temperature with the exception of the Trademark mixture that has a brown precipitate with clear, colorless liquid.

**Odor:** no odor detected

**pH:** where data is available, all materials are within pH of 7.0 – 8.5

**Odor Threshold:** No data available

**Melting point/freezing point:** No data available

**Initial boiling point and boiling range:** No data available

**Flash Point:** No data available

**Evaporation Rate:** No data available

**Flammability (solid, gas):** No data available

**Upper/lower flammability or explosive limit:** No data available

**Vapor Pressure:** No data available

**Relative Density:** No data available

**Solubility (ies):** Soluble, except substrate in Trademark mixture

**Partition coefficient: n-octonal/water:** No data available

**Auto-ignition temperature:** No data available

**Decomposition temperature:** No data available

**Viscosity:** No data available

## Section 10: Stability and Reactivity

### 10.1 Reactivity:

This product is not reactive under normal storage and use conditions.

### 10.2 Chemical Stability:

Stable under recommended storage conditions. DMSO is hygroscopic: absorbs moisture or water from the air.

### 10.3 Possibility of Hazardous Reactions:

No data available

#### 10.4 Conditions to Avoid:

Exposure to moisture, excessive heat and ignition sources

#### 10.5 Incompatible Materials:

Strong acids, strong bases, oxidizing agents, acid chlorides, reducing agents, acid anhydrides, chloroformates

#### 10.6 Hazardous Decomposition Products:

In the event of a fire see Section 5

### **Section 11 Toxicological Information**

#### 11.1 Likely Routes of Exposure:

The most likely routes of exposure are eye and skin contact. Exposures via inhalation or ingestion are less likely to occur.

#### 11.2 Delayed and Immediate Effects or Chronic Effects from Short and Long-Term Exposure:

No data available

#### 11.3 Numerical Measures of Toxicity:

No data available

#### 11.4 Description of Symptoms:

Mild eye irritant, mild skin irritant

#### 11.5 Carcinogenicity:

No material/component of this product is listed by IARC, OSHA, or NTP to be a potential carcinogen.

### **Section 12: Ecological Information**

#### 12.1 Ecotoxicity:

No data available

#### 12.2 Persistence and Degradability

No data available

#### 12.3 Bioaccumulative Potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB Assessment

None Required

## 12.6 Other adverse effects

No data available

## Section 13: Disposal Considerations

### 13.1 Disposal

Dispose all waste in accordance with local, regional, and national regulations. Do not empty into drains.

**Product:** See above

**Contaminated Packaging:** See above

**US EPA Waste Number:** No EPA ID number. Not regulated as a US federal hazardous waste. Not regulated under Title 22 as a California hazardous waste.

## Section 14: Transport Information

### 14.1 Transport

**DOT** Not regulated

**TDG** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

## Section 15: Regulatory Information

### 15.1 USA Federal Regulations

**SARA 302** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

**SARA 313** This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313

**SARA 311/312** No SARA 311/312 hazards

**TSCA** Research use only

### 15.2 USA State Regulations

**CA Prop 65** This kit does not contain any chemicals known to the State of California to cause cancer

or adverse reproductive health effects

## Section 16: Other Information

**Prepared By** Quality Assurance

Universal Sequencing Technology

Email: [info@universalsequencing.com](mailto:info@universalsequencing.com)

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**Revision Summary** This document has been updated to include product numbers, product names and update new company address.

### 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 regarding appropriate safety precautions. It does not represent any guarantee of the properties of the product. It is not a warranty or quality specification. This information relates only to the specific material designated and may not be valid for use in combination with any other material or in any other process.

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