

## RightON Biotin Antibody Labeling Kit

### MATERIAL SAFETY DATA SHEET

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

##### 1.1: Product Identifier

Product Name: RightON Biotin Antibody Labeling Kit  
Catalog No.: ROA-002  
ROA-004

Kit Components :

Chemical Name
Component A: Biotin-PEG4-NHS ester
Component B: Reaction buffer
Component C: Quench buffer

##### 1.2: Product Uses

For Research Use Only. Not intended for human or animal diagnostic products.

##### 1.3: Company/undertaking Identification

Cell IDx, Inc.  
6197 Cornerstone Court E, Ste 102  
San Diego, CA 92121

858.452.5800

#### Section 2: Hazardous Identification

##### 2.1: Classification of the substance or material

GHS-US classification

##### 2.2: Label Elements

GHS-US labeling  
No label applicable

##### 2.3: Other Hazards

No additional information available

##### 2.4: Principle Routes of Exposure/Potential Health Effects

May cause eye irritation with susceptible persons.

#### Section 3: Composition/information on ingredients

Chemical Name	CAS#	EINECS#	Appearance	Water Solubility
Component A: Biotin-PEG4-NHS ester	459426-22-3		Oily solid	Moderate
Component B: Reaction buffer			Liquid	High
Component C: Quench buffer			Liquid	High



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

#### **Section 4: First Aid Measures**

<b>Skin contact</b>	Rinse cautiously with water for several minutes. Immediate medical attention is not required.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
<b>Ingestion</b>	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
<b>Inhalation</b>	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
<b>Most important symptoms and effects, both acute and delayed</b>	Not Applicable
<b>Notes to Physician</b>	Treat symptomatically.

#### **Section 5: Firefighting measures**

<b>Suitable extinguishing media</b>	Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical.
<b>Special protective equipment for firefighters</b>	Standard procedure for chemical fires.
<b>Specific hazards arising from the chemical</b>	Not known

#### **Section 6: Accidental release measures**

<b>Personal precautions</b>	Always wear recommended Personal Protective Equipment. Use personal protection equipment.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material.
<b>Environmental precautions</b>	No special environmental precautions required

#### **Section 7: Handling and Storage**

<b>Handling</b>	Always wear recommended Personal Protective Equipment. No special handling advices are necessary.
<b>Storage</b>	Keep in a dry, cool and well-ventilated place

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

**8.1. Control parameters**  
No additional information available.

**8.2. Exposure controls**  
Appropriate engineering controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.  
Hand protection: Wear suitable gloves.  
Eye protection: Safety glasses or goggles are recommended when handling product.  
Skin and body protection: Wear suitable protective clothing.

Respiratory protection:	Not normally needed. In case of insufficient ventilation wear suitable respiratory equipment.
Environmental exposure controls:	Maintain levels below Community environmental protection thresholds.
Other information:	Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

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

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

Physical state:	Lyophilized powder
Appearance:	No information available
Color:	No information available
Odour:	No data available
Odour threshold:	No data available
pH:	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Relative evaporation rate (butylacetate=1):	No data available
Flammability (solid, gas):	Not flammable
Explosive limits:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Vapor pressure:	No data available
Relative density:	No data available
Relative vapour density at 20 °C:	No data available
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Log Kow:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available

## **Section 10: Stability and reactivity**

<b>Stability</b>	Stable under normal conditions.
<b>Materials to avoid</b>	No dangerous reaction known under conditions of normal use.
<b>Possibility of hazardous reactions</b>	Hazardous reaction has not been reported
<b>Hazardous decomposition Products</b>	None under normal use conditions.
<b>Polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	None under normal processing

## **Section 11: Toxicological information**

**Acute Toxicity** No toxicology information is available.

### **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.

## **Section 12: Ecological information**

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

**Mobility** No information available.

**Biodegradation** Inherently biodegradable.

**Bioaccumulation** Material does not bioaccumulate.

## **Section 13: Disposal considerations**

**13.1 Waste treatment Recommendations** This material must be disposed of in accordance with all local, state, provincial and federal regulations. The generation of waste should be avoided or minimized wherever possible.

## **Section 14: Transport information**

Department of Transportation (DOT) In accordance with DOT

Not regulated for transport.

Other information No supplementary information available

Special transport precautions No not handle until all safety precautions have been read and understood.

## **Section 15: Regulatory information**

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

## **Section 16: Other information**

Other information: None.

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