

# Just-in-Time CL-650 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: Just-in-Time CL-650 Antibody Labeling Kit

Catalog No.: JC650-001

Kit Component: Cell Light CL-650-NHS ester

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 number	EINECS- number	Weight	
Cell Light CL-650	None		100%	
succinimidyl ester				

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

#### Section 4: First Aid Measures



Skin contact Rinse cautiously with water for several minutes. Immediate medical

attention is not required.

**Eye contact** Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do.

Ingestion Not expected to present a significant ingestion hazard under anticipated

conditions of normal use. If you feel unwell, seek medical advice.

**Inhalation** Not expected to be an inhalation hazard under anticipated

conditions of normal use of this material. Consult a hysician if

necessary.

Most important symptoms and effects, both acute and delayed

Not Applicable

Notes to Physician Treat symptomatically.

## Section 5: Firefighting measures

Suitable extinguishing media Special protective equipment

for firefighters

Specific hazards arising

from the chemical

Water spray. Carbon dioxide (CO2). Foam. Dry chemical.

Standard procedure for chemical fires.

Not known

#### Section 6: Accidental release measures

Personal precautions Always wear recommended Personal Protective Equipment. Use

personal protection equipment.

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

**Environmental precautions** No special environmental precautions required

## Section 7: Handling and Storage

Handling Always wear recommended Personal Protective Equipment. No

special handling advices are necessary.

Keep in a dry, cool and well-ventilated place

## Section 8: Exposure controls/personal protection

#### 8.1. Control parameters

Storage

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.

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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 Not flammable Flammability (solid, gas): **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

**Stability** Stable under normal conditions.

Materials to avoid No dangerous reaction known under conditions of

normal use.

Possibility of hazardous Hazardous reaction has not been reported

reactions

**Hazardous decomposition**None under normal use conditions.

**Products** 

**Polymerization** Hazardous polymerization does not occur.

Conditions to avoid None under normal processing

## Section 11: Toxicological information

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

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## 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 effectsNone.Mutagenic effectsNone.Reproductive toxicityNone.SensitizationNone.

## Section 12: Ecological information

**Ecotoxicity**Contains no substances known to be hazardous to the

environment or not degradable in waste water treatment plants.

MobilityNo information available.BiodegradationInherently biodegradable.

**Bioaccumulation** Material does not bioaccumulate.

## Section 13: Disposal considerations

**13.1 Waste treatment** This material must be dispose dof in accordance with all

**Recommendations** 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

Date of issue: 05/21/18
Other information: None.

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## Just-in-Time Modification Buffer columns

## **MATERIAL SAFETY DATA SHEET**

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

1.1: Product Identifier

Product Name: Just-in-Time CL-650 Antibody Labeling Kit

Catalog No.: JC650-001

Kit Component: Modification Buffer 0.5 mL columns

1.2: Product Uses

For Research Use Only. Not for use in 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** classification

#### 2.2: Label Elements

GHS-US labeling No label applicable

#### 2.3: Other Hazards

Not Hazardous

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

Not Applicable

## Section 3: Composition/information on ingredients

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

#### Section 4: First Aid Measures

**Skin contact**Rinse with plenty of water. Immediate medical attention is not required. **Eye contact**Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

Ingestion Not expected to present a significant ingestion hazard under anticipated

conditions of normal use. If you feel unwell, seek medical advice.



**Inhalation** Not expected to be an inhalation hazard under anticipated

conditions of normal use of this material. Consult a physician if

necessary.

Most important symptoms and effects, both acute and delayed

Not Applicable

Notes to Physician Treat symptomatically.

## Section 5: Firefighting measures

Suitable extinguishing media Special protective equipment Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical. Standard procedure for chemical fires.

Special protective equip for firefighters

10111

Specific hazards arising

Not known

from the chemical

## Section 6: Accidental release measures

Personal precautions Ensure adequate ventilation Always wear recommended

Personal Protective Equipment Use personal protection equipment See Section 8 for more detail

Methods for cleaning up

Soak up with inert absorbent material.

**Environmental precautions**No special environmental precautions required

## Section 7: Handling and Storage

**Handling** Use personal protective equipment as required. No special

handling advices are necessary.

**Storage** Keep in a dry, cool and well-ventilated place.

Keep in properly labeled containers

## Section 8: Exposure controls/personal protection

#### 8.1. Control parameters

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas. Hand protection: Wear suitable gloves. Glove material: Compatible chemical-

resistant gloves.

Eye protection: Tight sealing safety goggles.
Skin and body protection: Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation wear respirators and components

tested and approved under appropriate government standards.

Environmental exposure controls: No special environmental precautions required.

Other information: No data available.



### Section 9: Physical and chemical properties

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

Appearance: Liquid Color: White

Odour: No data available Odour threshold: No data available :Ha 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 No data available Solubility: 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

**Stability** Stable under normal conditions.

Materials to avoid No dangerous reaction known under conditions of normal

use.

Possibility of hazardous Hazardous reaction has not been reported

reactions

**Hazardous decomposition**None under normal use conditions.

**Products** 

**Polymerization** Hazardous polymerization does not occur.

Conditions to avoid None under normal processing

## Section 11: Toxicological information

**Acute Toxicity** Data are conclusive but insufficient for classification.

Principle Routes of Exposure Potential Health Effects

Eyes Data are conclusive but insufficient for classification.
Skin Data are conclusive but insufficient for classification.
Inhalation Data are conclusive but insufficient for classification.
Ingestion Data are conclusive but insufficient for classification.

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Carcinogenic effectsData are conclusive but insufficient for classification.Mutagenic effectsData are conclusive but insufficient for classification.Reproductive toxicityData are conclusive but insufficient for classification.SensitizationData are conclusive but insufficient for classification.

## Section 12: Ecological information

**Ecotoxicity** The environmental impact of this product has not been fully

investigated.

MobilityNo information available.BiodegradationNo information available.BioaccumulationNo information available.

#### Section 13: Disposal considerations

13.1 Waste treatment Recommendations

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the

requirements of all applicable local, regional or national/federal

regulations

## Section 14: Transport information

Department of Transportation (DOT) Not regulated in the meaning of transport regulations.

Other information Not Applicable. Special transport precautions Not Applicable.

## 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

Date of issue: 05/17/21 Other information: None.

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## Just-in-Time Conjugation Buffer Columns

#### MATERIAL SAFETY DATA SHEET

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

1.1: Product Identifier

Product Name: Just-in-Time CL-650 Antibody Labeling Kit

Catalog No.: JC650-001

Kit Component: Conjugation Buffer 0.5 mL columns

1.2: Product Uses

For Research Use Only. Not for use in 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** classification

#### 2.2: Label Elements

GHS-US labeling No label applicable

#### 2.3: Other Hazards

Not Hazardous

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

Not Applicable

## Section 3: Composition/information on ingredients

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

#### Section 4: First Aid Measures

**Skin contact**Rinse with plenty of water. Immediate medical attention is not required. **Eye contact**Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

Ingestion Not expected to present a significant ingestion hazard under anticipated

conditions of normal use. If you feel unwell, seek medical advice.



Inhalation Not expected to be an inhalation hazard under anticipated

conditions of normal use of this material. Consult a physician if

necessary.

Most important symptoms and effects, both acute and delayed Not Applicable

**Notes to Physician** Treat symptomatically.

## Section 5: Firefighting measures

Suitable extinguishing media

Special protective equipment

for firefighters

Specific hazards arising

from the chemical

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

Standard procedure for chemical fires.

Not known

## Section 6: Accidental release measures

**Personal precautions** Ensure adequate ventilation Always wear recommended

> Personal Protective Equipment Use personal protection equipment See Section 8 for more detail

Methods for cleaning up

Soak up with inert absorbent material.

**Environmental precautions** No special environmental precautions required

## Section 7: Handling and Storage

Handling Use personal protective equipment as required. No special

handling advices are necessary.

Keep in a dry, cool and well-ventilated place. Storage

Keep in properly labeled containers

## Section 8: Exposure controls/personal protection

#### 8.1. Control parameters

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas.

Hand protection: Wear suitable gloves. Glove material: Compatible chemical-

resistant gloves.

Tight sealing safety goggles. Eye protection: Wear suitable protective clothing. Skin and body protection:

Respiratory protection: In case of insufficient ventilation wear respirators and components

tested and approved under appropriate government standards.

No special environmental precautions required. Environmental exposure controls:

Other information: No data available.



## Section 9: Physical and chemical properties

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

Appearance: Liquid Color: White

Odour: No data available Odour threshold: No data available :Ha 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 No data available Solubility: Partition coefficient: n-octanol/water: No data available Loa 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

**Stability** Stable under normal conditions.

Materials to avoid No dangerous reaction known under conditions of normal

use.

Possibility of hazardous Hazardous reaction has not been reported

reactions

**Hazardous decomposition**None under normal use conditions.

**Products** 

**Polymerization** Hazardous polymerization does not occur.

Conditions to avoid None under normal processing

## Section 11: Toxicological information

**Acute Toxicity** Data are conclusive but insufficient for classification.

Principle Routes of Exposure Potential Health Effects

Eyes Data are conclusive but insufficient for classification.
Skin Data are conclusive but insufficient for classification.
Inhalation Data are conclusive but insufficient for classification.
Ingestion Data are conclusive but insufficient for classification.

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Carcinogenic effectsData are conclusive but insufficient for classification.Mutagenic effectsData are conclusive but insufficient for classification.Reproductive toxicityData are conclusive but insufficient for classification.SensitizationData are conclusive but insufficient for classification.

## Section 12: Ecological information

**Ecotoxicity**The environmental impact of this product has not been fully

investigated.

MobilityNo information available.BiodegradationNo information available.BioaccumulationNo information available.

## Section 13: Disposal considerations

13.1 Waste treatment Recommendations

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product,

its solutions or of any by-products, shall comply with the

requirements of all applicable local, regional or national/federal

regulations

## Section 14: Transport information

Department of Transportation (DOT) Not regulated in the meaning of transport regulations.

Other information Not Applicable. Special transport precautions Not Applicable.

#### 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

Date of issue: 02/17/21 Other information: None.

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## Just-in-Time Purification 0.5 mL columns



## **Just-in-Time Purification Columns**

#### MATERIAL SAFETY DATA SHEET

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

1.1: Product Identifier

Product Name: Just-in-Time CL-650 Antibody Labeling Kit

Catalog No.: JC650-001

Kit Component: Just-in-Time Purification 0.5 mL columns

1.2: Product Uses

For Research Use Only. Not for use in 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 classification

#### 2.2: Label Elements

GHS-US labeling No label applicable

#### 2.3: Other Hazards

Not Hazardous

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

Not Applicable

## Section 3: Composition/information on ingredients

Sodium ozido	266-22-8	247-852-1	<0.1%
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The product contains no substances which at their given concentration, are considered to be hazardous to health.

#### Section 4: First Aid Measures

**Skin contact**Rinse with plenty of water. Immediate medical attention is not required. **Eye contact**Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

Ingestion Not expected to present a significant ingestion hazard under anticipated

conditions of normal use. If you feel unwell, seek medical advice.



**Inhalation** Not expected to be an inhalation hazard under anticipated

conditions of normal use of this material. Consult a physician if

necessary.

Most important symptoms and effects, both acute and delayed

Not Applicable

Notes to Physician Treat symptomatically.

## Section 5: Firefighting measures

Suitable extinguishing media

Water spray. Carbon dioxide  $(CO_2)$ . Foam. Dry chemical.

Special protective equipment

Standard procedure for chemical fires.

for firefighters

Specific hazards arising

from the chemical

Not known

## Section 6: Accidental release measures

Personal precautions Ensure adequate ventilation Always wear recommended

Personal Protective Equipment Use personal protection equipment See Section 8 for more detail

Methods for cleaning up

Soak up with inert absorbent material.

**Environmental precautions** 

No special environmental precautions required

## Section 7: Handling and Storage

**Handling** Use personal protective equipment as required. No special

handling advices are necessary.

**Storage** Keep in a dry, cool and well-ventilated place.

Keep in properly labeled containers

## Section 8: Exposure controls/personal protection

#### 8.1. Control parameters

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas.

Hand protection: Wear suitable gloves. Glove material: Compatible chemical-

resistant gloves.

Eye protection: Tight sealing safety goggles.
Skin and body protection: Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation wear respirators and components

tested and approved under appropriate government standards.

Environmental exposure controls: No special environmental precautions required.

Other information: No data available.

## Section 9: Physical and chemical properties

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

Appearance: Liquid
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Color: White

Odour: No data available Odour threshold: No data available :Ha 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 Loa 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

**Stability** Stable under normal conditions.

Materials to avoid No dangerous reaction known under conditions of normal

use

Possibility of hazardous Hazardous reaction has not been reported

reactions

**Hazardous decomposition**None under normal use conditions.

**Products** 

**Polymerization** Hazardous polymerization does not occur.

Conditions to avoid None under normal processing

## Section 11: Toxicological information

**Acute Toxicity** Data are conclusive but insufficient for classification.

Principle Routes of Exposure Potential Health Effects

Eyes Data are conclusive but insufficient for classification.

Skin Data are conclusive but insufficient for classification.

Inhalation Data are conclusive but insufficient for classification.

Data are conclusive but insufficient for classification.

Data are conclusive but insufficient for classification.

Carcinogenic effectsData are conclusive but insufficient for classification.Mutagenic effectsData are conclusive but insufficient for classification.Reproductive toxicityData are conclusive but insufficient for classification.SensitizationData are conclusive but insufficient for classification.



## Section 12: Ecological information

**Ecotoxicity** The environmental impact of this product has not been fully

investigated.

MobilityNo information available.BiodegradationNo information available.BioaccumulationNo information available.

## Section 13: Disposal considerations

13.1 Waste treatment Recommendations

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its solutions or of any by-products, shall comply with the

requirements of all applicable local, regional or national/federal

regulations

## Section 14: Transport information

Department of Transportation (DOT) Not regulated in the meaning of transport regulations.

Other information Not Applicable. Special transport precautions Not Applicable.

## 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

Date of issue: 05/17/21 Other information: None.

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