

Just-in-Time CL-550 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: Catalog No.: Kit Component:

Just-in-Time CL-550 Antibody Labeling Kit JC550-001 Cell Light CL-550-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-550	None		100%
succinimidyl ester			

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



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
Ingestion	present and easy to do. 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 an effects, both acute and delay	nd Not Applicable

Notes to Physician

Treat symptomatically.

Section 5: Firefighting measures

Suitable extinguishing media	Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Special protective equipment	Standard procedure for chemical fires.
for firefighters	
Specific hazards arising	Not known
from the chemical	

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

Storage

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

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: Viscosity, kinematic: Viscosity, dynamic: No data available No data available No data available

Section 10: Stability and reactivity

Stability Materials to avoid

Possibility of hazardous reactions Hazardous decomposition Products Polymerization Conditions to avoid Stable under normal conditions. No dangerous reaction known under conditions of normal use. Hazardous reaction has not been reported None under normal use conditions.

Hazardous polymerization does not occur. 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 effects	None.
Mutagenic effects	None.
Reproductive toxicity	None.
Sensitization	None.

Section 12: Ecological information

Ecotoxicity

Mobility Biodegradation Bioaccumulation Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants. No information available. Inherently biodegradable. 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) Not regulated for transport.	In accordance with DOT
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: Catalog No.: Kit Component:

Just-in-Time CL-550 Antibody Labeling Kit JC550-001 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.

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 Most important symptoms and effects, both acute and delayed	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary. 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	Ensure adequate ventilation Always wear recommended Personal Protective Equipment
	Use personal protection equipment See Section 8 for more detail
Methods for cleaning up Environmental precautions	Soak up with inert absorbent material. No special environmental precautions required

Section 7: Handling and Storage

Handling

Storage

Use personal protective equipment as required. No special handling advices are necessary. 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.
Other information:	No data available.



Section 9: Physical and chemical properties

9.1.Information on basic physical and chemical properties

Appearance: Liquid White Color: 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 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: Viscosity, kinematic: Viscosity, dynamic: No data available No data available No data available

Section 10: Stability and reactivity

Stability Materials to avoid

Possibility of hazardous reactions Hazardous decomposition Products Polymerization Conditions to avoid Stable under normal conditions. No dangerous reaction known under conditions of normal use. Hazardous reaction has not been reported None under normal use conditions.

Hazardous polymerization does not occur. 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 Skin Inhalation Ingestion V210517A Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification.

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Carcinogenic effects Mutagenic effects Reproductive toxicity Sensitization Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification.

Section 12: Ecological information

Ecotoxicity

Mobility Biodegradation Bioaccumulation The environmental impact of this product has not been fully investigated. No information available.

No information available.

No 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) Other information Special transport precautions Not regulated in the meaning of transport regulations. Not Applicable. 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: Catalog No.: Kit Component:

Just-in-Time CL-550 Antibody Labeling Kit JC550-001 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.

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 Most important symptoms and effects, both acute and delayed	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary. 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	Ensure adequate ventilation Always wear recommended Personal Protective Equipment Use personal protection equipment
	See Section 8 for more detail
Methods for cleaning up Environmental precautions	Soak up with inert absorbent material. No special environmental precautions required

Section 7: Handling and Storage

Handling

Storage

Use personal protective equipment as required. No special handling advices are necessary. 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
Environmental exposure controls:	No special environmental precautions required.
Other information:	No data available.
Skin and body protection: Respiratory protection: Environmental exposure controls:	Wear suitable protective clothing. In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards. No special environmental precautions required.



Section 9: Physical and chemical properties

9.1.Information on basic physical and chemical properties

Appearance: Liquid White Color: 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 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: Viscosity, kinematic: Viscosity, dynamic: No data available No data available No data available

Section 10: Stability and reactivity

Stability Materials to avoid

Possibility of hazardous reactions Hazardous decomposition Products Polymerization Conditions to avoid Stable under normal conditions. No dangerous reaction known under conditions of normal use. Hazardous reaction has not been reported None under normal use conditions.

Hazardous polymerization does not occur. 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 Skin Inhalation Ingestion V210517A Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification.

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Carcinogenic effects Mutagenic effects Reproductive toxicity Sensitization Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification.

Section 12: Ecological information

Ecotoxicity

Mobility Biodegradation Bioaccumulation The environmental impact of this product has not been fully investigated. No information available. No information available. No 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) Other information Special transport precautions Not regulated in the meaning of transport regulations. Not Applicable. 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: Catalog No.: Kit Component:

Just-in-Time CL-550 Antibody Labeling Kit JC550-001 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 azi	de	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.

Skin contact Eye contact	Rinse with plenty of water. Immediate medical attention is not required. 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 Most important symptoms and effects, both acute and delayed	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary. 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	Ensure adequate ventilation Always wear recommended Personal Protective Equipment Use personal protection equipment
	See Section 8 for more detail
Methods for cleaning up Environmental precautions	Soak up with inert absorbent material. No special environmental precautions required

Section 7: Handling and Storage

Handling

Storage

Use personal protective equipment as required. No special handling advices are necessary. 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: Hand protection:	Ensure adequate ventilation, especially in confined areas. 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: Other information:	No special environmental precautions required. No data available.

Section 9: Physical and chemical properties

9.1.Information on basic physical and chemical properties

Appearance: V210517A



Color: Odour: Odour threshold: pH: Melting point: Freezing point: Boiling point: Flash point: Flash point: Relative evaporation rate (butylacetate=1): Flammability (solid, gas): Explosive limits: Explosive properties: Oxidising properties: Vapor pressure: Relative density: Relative density: Relative vapour density at 20 °C: Solubility: Partition coefficient: n-octanol/water: Log Kow:
Partition coefficient: n-octanol/water: Log Kow: Auto-ignition temperature: Decomposition temperature:

Viscosity:
Viscosity, kinematic:
Viscosity, dynamic:

Section 10: Stability and reactivity

Stability Materials to avoid

Possibility of hazardous reactions Hazardous decomposition Products Polymerization Conditions to avoid Stable under normal conditions. No dangerous reaction known under conditions of normal use. Hazardous reaction has not been reported None under normal use conditions.

Hazardous polymerization does not occur. None under normal processing

Section 11: Toxicological information

Acute Toxicity

Data are conclusive but insufficient for classification.

Principle Routes of Exposure Potential Health Effects Eves

Skin Inhalation Ingestion

Carcinogenic effects Mutagenic effects Reproductive toxicity Sensitization Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification.

Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification. Data are conclusive but insufficient for classification.

White

No data available Not flammable No data available No data available

No data available No data available No data available



Section 12: Ecological information

Ecotoxicity

Mobility Biodegradation Bioaccumulation The environmental impact of this product has not been fully investigated. No information available. No information available. No 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) Other information Special transport precautions Not regulated in the meaning of transport regulations. Not Applicable. 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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