

Just-in-Time HRP 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 HRP Antibody Labeling Kit
Catalog No.: JHRP-001
Kit Component: HRP-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
Activated HRP	None		100%
Modifier Reagent	None		100%

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 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 for firefighters	Standard procedure for chemical fires.
Specific hazards arising from the chemical	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.
Storage	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

Stability	Stable under normal conditions.
Materials to avoid	No dangerous reaction known under conditions of normal use.
Possibility of hazardous reactions	Hazardous reaction has not been reported
Hazardous decomposition Products	None under normal use conditions.
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 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 waste water 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.
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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 HRP Antibody Labeling Kit
Catalog No.:	JHRP-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.
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Section 5: Firefighting measures

Suitable extinguishing media	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical.
Special protective equipment for firefighters	Standard procedure for chemical fires.
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
Color:	White
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

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

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

The environmental impact of this product has not been fully investigated.

Mobility

No information available.

Biodegradation

No information available.

Bioaccumulation

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)

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 HRP Antibody Labeling Kit
Catalog No.:	JHRP-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.
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Section 5: Firefighting measures

Suitable extinguishing media	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical.
Special protective equipment for firefighters	Standard procedure for chemical fires.
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
Color:	White
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

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

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

The environmental impact of this product has not been fully investigated.

Mobility

No information available.

Biodegradation

No information available.

Bioaccumulation

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)

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 HRP Antibody Labeling Kit
Catalog No.: JHRP-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 azide	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.
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Section 5: Firefighting measures

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

Stability	Stable under normal conditions.
Materials to avoid	No dangerous reaction known under conditions of normal use.
Possibility of hazardous reactions	Hazardous reaction has not been reported
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.
Carcinogenic effects	Data are conclusive but insufficient for classification.
Mutagenic effects	Data are conclusive but insufficient for classification.
Reproductive toxicity	Data are conclusive but insufficient for classification.
Sensitization	Data are conclusive but insufficient for classification.

Section 12: Ecological information

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