

Material Safety Data Sheet (MSDS) for PathScan® Multi-Target Automated IF Kit

I. Identification:

Product name: PathScan® Multi-Target Automated IF Kit

Product Catalog: #7101, 7102, and 7103

Supplier: Cell Signaling Technology
3 Trask Lane
Danvers, MA 01923 USA
978-867-2300 TEL
978-867-2400 FAX
978-578-6737 EMERGENCY TEL

II. Composition/Information on Ingredients:

All kit components contained in this product are composed of proteins in aqueous buffer solution. According to 29 CFR 1910.1200(d), hazardous ingredients at less than <1% and carcinogens at less than <0.1% are considered non-hazardous. Hazardous ingredients in this mixture are listed below.

| Hazardous Ingredients: | Percent (%w/v) | CAS# | RETCS# |
|------------------------|----------------|-----------|--------|
| Glycerol | 53% | 56-81-5 | — |
| Bovine serum albumin | <0.1% | 9048-46-8 | — |
| Immunoglobulin | <1% | — | — |

III. Hazard Identification:

This product is not for use in humans. It is intended for research purposes only. To the best of our knowledge, the chemical, physical, and toxicological properties of this material have not been established.

HMS Rating: Health: 1 Flammability: 0 Reactivity: 0

NFPA Rating: Health: 1 Flammability: 0 Reactivity: 0

IV. First Aid Measures:

Inhalation: Remove to fresh air. If breathing is difficult, get medical attention.

Ingestion: If person is conscious, wash out mouth with water.

Skin exposure: Wash skin with soap and water.

Eye exposure: Immediately flush eyes with water for at least 15 minutes.

V. Fire Fighting Measures:

Flash Point: Not applicable.

Autoignition Temperature: Not applicable.

Flammability: Not applicable.

Fire extinguishing media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

Firefighting: Wear protective clothing and self-contained breathing apparatus to prevent contact with skin and eyes.

VI. Accidental Release Measures: Wear appropriate personal protective equipment as indicated in Section 8. Absorb liquid with an absorbent material. Transfer contaminated absorbent to a closed chemical waste container for disposal. Wash spill site after material has been picked up for disposal.

VII. Handling And Storage: Store at -20°C in tightly closed container. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid prolonged or repeated exposure.

VIII. Exposure Controls/Personal

Ventilation System: A system of local (fume hood) and general exhaust is recommended.

Skin Protection: Wear compatible chemical resistant gloves and protective clothing.

Eye protection: Wear chemical safety glasses. Maintain emergency eyewash and shower in work area.

IX. Physical And Chemical Properties:

| | |
|--|--------------------|
| Appearance: | colorless liquid |
| Odor: | data not available |
| pH : | 7.4 |
| Boiling Point: | data not available |
| Melting Point: | data not available |
| Freezing Point: | data not available |
| Volatile Organic Compounds (VOC): | data not available |
| Autoignition temp. | data not available |
| Solubility (water): | soluble |

X. Stability and Reactivity:

Stability: Stable under normal conditions.

Conditions/materials to avoid: Data not available.

Hazardous Polymerization: Data not available.

Hazardous Decomposition: Will not occur.

XI. Toxicological Information

on kit component: Glycerol (56-81-5):

Acute Effects: May cause irritation.

Chronic Effects: Prolonged exposure may cause nausea, headache, and vomiting.

Routes of Exposure:

Skin: May cause skin irritation. May be harmful if absorbed through skin.

Eyes: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

Target Organs: Kidneys.

XII. Ecological Information:

Data not available.

XIII. Disposal Considerations: Dispose of in accordance with federal, state and local environmental regulations.

XIV. Transport Information:

D. O. T.

Proper Shipping Name: None

This substance is considered non-hazardous for transport.

IATA

Proper Shipping Name: None

This substance is considered non-hazardous for air transport.

XV. Regulatory Information:

EU regulations: Data not available.

US Regulations/Classifications: Data not available.

SARA Listed: No

TSCA Listed: No

Canada (WHMIS): DSL No, NDSL No.

XVI. Other Information:

This product is not intended for use in humans. To the best of our knowledge, this document is accurate. It is intended to serve as a guide for safe use of this product in a laboratory setting by experienced personnel. The burden of safe use of this material rests entirely with the user. The above information is believed to be accurate but is not necessarily all-inclusive and shall be used only as a guide. Cell Signaling Technology, Inc., shall not be held liable for any damage resulting from the handling of or from contact with the above product.