

1. Chemical and Company Identification

Product Name: Biotin Detection Lateral Flow Dipstick Assay Kit

Product Use: Research Laboratory Use

Manufacturer/Supplier: CytoDiagnostics Inc.

919 Fraser Drive, Unit 11, Burlington, Ontario, Canada, L7L 4X8

Phone: (866) 344-3954

Web: <http://www.cytodiagnostics.com>

Information and Support: customer_service@cytodiagnostics.com

2. Hazards Identification

Not hazardous

GHS Label Elements, Including Precautionary Statements***Signal Word***

Not hazardous

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear protective gloves/ protective clothing

P264- Wash hands thoroughly after handling

P270- Do not eat, drink, or smoke when using this product

Other Information

No information available

3. Composition/ Information on Ingredients

This product contains: Lateral flow assay dipsticks, r and 1.5mL of lateral flow buffer

Components

Component 1: Immunoglobulin, <0.02% (w/w), CAS# 9007-83-4

Component 2: Lateral Flow Running Buffer - Proprietary components (trade secret per 29 CFR 1910. 1200 (i) (1)) (non-hazardous)

Component 3: Nitrocellulose membrane

4. First Aid Measures***Most important symptoms:***

No known significant effects under normal laboratory use.

In case of eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of ingestion: If swallowed and person is conscious wash mouth with water, seek medical advice immediately.

In case of inhalation: In case of accident by inhalation, remove to fresh air. If breathing becomes difficult seek medical advice. If not breathing, give artificial respiration.

In case of skin contact: Immediately wash with soap and plenty of water. Remove contaminated clothing. Seek medical attention immediately.

Notes to Physician:

No expected acute toxicity under normal laboratory use.

5. Fire Fighting Measures

Flammable properties

Not flammable

Flash point

Not determined

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Explosion Data

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

Specific hazards arising from the substance or mixture:

Carbon oxides

Development of hazardous combustion gases or vapours possible in the event of fire.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus if necessary.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid aerosols or dust formation. Avoid breathing vapours, mist or gas.

Methods and materials for containment and cleaning up:

Keep in a suitable closed container for disposal.

Do not allow product to enter drains. For disposal see section 13.

7. Handling and Storage

Advice on safe handling

Cytodiagnostics Inc. 919 Fraser Drive, Unit 11, Burlington, Ontario, L7L 4X8, Canada
Tel: 866-344-3954 Fax: 289-204-9100 E-mail: customer_service@cytodiagnosics.com
<https://www.cytodiagnosics.com>

Handle in accordance with good industrial hygiene and safety practice.

Technical measures/Storage conditions

Tightly closed. Dry.

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Recommended storage temperature 2-8°C.

8. Exposure Controls/Personal Protection

Appropriate engineering controls: Standard industrial hygiene practice.

Body protection: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection: Respiratory protection not required. In case of insufficient ventilation or for nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respiratory cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Appearance:	Lateral flow test device (solid) and clear, colorless running buffer (liquid)	Physical State at 20°C:	Solid white membrane and clear, colourless liquid solutions
Odor:	no data available	Vapor pressure:	no data available
Odor threshold:	no data available	Vapor density:	no data available
pH:	7-8	Relative density:	no data available
Melting Point/Freezing point:	no data available	Solubility:	no data available
Boiling point/boiling range:	no data available	Specific Gravity:	no data available

Flash points:	no data available	Auto-ignition temperature:	no data available
Evaporation rates:	no data available	Decomposition temperature:	no data available
Flammability (solid; gas):	no data available	VOC Content (%):	not applicable

10. Stability and Reactivity

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions

Possibility of hazardous reactions: no data available

Conditions to avoid: Temperatures below 0°C, exposure to sunlight

Materials to avoid:

Risk of ignition or formation of inflammable gases or vapours with:

Oxidizing agents

Bases

Strong acids

Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. – Oxides of phosphorus, Sodium oxides, Hydrogen chloride gas, Potassium oxides, carbon oxides

Other decomposition products – no data available

In the event of fire: see section 5

11. Toxicological Information

Acute Toxicity

Oral LD50

No data available

Inhalation LD50

No data available

Dermal LD50

No data available

Other information on acute toxicity

No data available

Skin: No data available - May be harmful in contact with skin.

Ingestion: No data available - May be harmful if ingested.

Eyes: No data available - May be harmful in contact with eyes.

Inhalation: No data available - May be harmful if inhaled.
Germ Cell Mutagenicity: No data available

Carcinogenicity

IARC:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

Additional Information

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

12. Ecological Information***Ecotoxicity***

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

13. Disposal Considerations***Waste disposal methods***

Dispose of in accordance with federal, state, and local regulations

Contaminated packaging

Do not re-use empty containers

14. Transport Information

Hazard class: Not regulated for transportation.

Product identification number: Not determined

15. Regulatory Information

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the safety data sheet contains all of the information required by those regulations.

16. Other Information

This product is for laboratory research purposes, not for diagnostic or therapeutic use in humans or animals.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Users should make independent decisions regarding completeness of the information based on all sources available. Cytodiagnostics Inc. shall not be held liable for any damage resulting from handling or contact with the above product.

End of MSDS