

Material Safety Data Sheet

Lithium (Li) Assay Kit LS
(Polyfluoroporphyrin Chromogenic method)

Revision Number:2.1

Last updated 10/2/2025

Product and Company Identification

Product Name: Lithium (Li) Assay Kit LS
Catalog Number: LI01ME
Manufacturer/Supplier: Cellspect Co., Ltd.
2-4-23, Kitaioka, Morioka-shi, Iwate, 020-0857,
Japan
Tel: +81-19-134-6616, FAX: +81-19-903-0559
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Components

Item Number	Name	Quantity
LI01ME	R-R Chelate color	24mL
	STD Lithium Standard	0.4mL

Hazards Identification

Mixture of the following substances with non-hazardous additions:

R-R Chelate color

Dimethyl Sulfoxide (CAS#: 67-68-5)	< 5 %
Triethanolamine (CAS#: 102-71-6)	< 2 %
Non-ionic surfactant (Confidential)	<1%
Cationic surfactant (Confidential)	<1%

- GHS Classification:
Skin irritation (Category 2)
Eye irritation (Category 2A)



- Signal Word: Warning

- Hazard Statements:
H315: Causes skin irritation.
H319: Causes serious eye irritation.

- Precautionary Statements:
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves, eye protection.
P302+P352: If on skin, wash with plenty of soap and water.
P305+P351+P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

- Properties
Appearance: light brown liquid
Odor: smells like sulfur
pH<11.0
Melting/Freezing Point: Not available
Boiling Point: Not available
Flash Point: Not applicable
Solubility: Completely soluble in water

STD Lithium Standard

lithium chloride (CAS#: 7447-41-8) <0.01%

- GHS Classification:
Not classified

- Properties
Appearance: Clear liquid
Odor: odorless
pH:6~8
Melting/Freezing Point: Not available
Boiling Point: Not available
Flash Point: Not applicable
Solubility: Completely soluble in water

Avoid contact and inhalation. Standard laboratory safety procedures include wearing safety glasses, gloves and protective clothing.

First Aid Measures

- Inhalation:** Move person to fresh air. If symptoms persist, seek medical attention.
- Skin Contact:** Wash skin with soap and water. Remove contaminated clothing and wash before reuse.
- Eye Contact:** Rinse with water for at least 15 minutes. If irritation persists, consult a doctor.
- Ingestion:** Rinse mouth with water. Do not induce vomiting. Seek medical advice if symptoms occur.

Fire Fighting Measures

- Suitable Extinguishing Media:** Use water spray, foam, dry chemical, or carbon dioxide.
- Hazardous Combustion Products:** Carbon oxides, sulfur oxides.
- Protective Equipment:** Wear self-contained breathing apparatus and full protective gear.

Handling and Storage

- Keep receptacles tightly sealed.
- Store Reagent, Standard in a cool and dark space(2-8℃).

Accidental Release Measures

- Use appropriate protective equipment and methods to clean up spilled substances promptly. Absorb spill onto an appropriate material.
- Collect and dispose of all waste in accordance with applicable laws.

Exposure Controls / Personal Protection

- Keep away from foodstuffs and beverages. Wash hands before and after the work. Wear appropriate gloves, protective clothing and eyewear and follow safe laboratory practices.

Stability and Reactivity

Thermal Decomposition : no decomposition if used according to specifications.
Dangerous Products of Decomposition : Carbon oxides. Carbon dioxide.
Dangerous Reactions: Nitrogen oxide. Sulfur oxide.
none

Toxicological Information

Inhalation: Harmful if inhaled
Ingestion: Harmful if swallowed
Skin: Causes skin irritation
Eyes: Causes eye irritation
Target Organs/ Chronic Exposures ; No data available

Ecological Information

Do not allow product to reach ground water, watercourse, or sewage system.

Disposal Considerations

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Consult local, state or national regulations for proper disposal.

Transport Information

This substance is considered to be Non-Hazardous for transport.

This substance is considered to be Non-Hazardous for air transport.

Regulatory Information

United States Classification and Label Text:

United States Regulatory Information:

SARA Listed: NO.

Other Information

This material is sold for research purposes only. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as guide. Users should make independent decisions regarding completeness of the information based on all sources available. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Metallogenics shall not be held liable for any damage resulting from handling or from contact with the above product.