

# Material Safety Data Sheet

Calcium ( Ca ) Assay Kit LS ( OCPC )  
 ( O-Cresolphthalein Chromogenic method )

Revision Number:2.1

Last updated 10/2/2025

**Product and Company Identification**

**Product Name:** Calcium ( Ca ) Assay Kit LS ( OCPC )  
**Catalog Number:** CA30ME/31ME  
**Manufacturer/Supplier:** Cellspect Co., Ltd.  
 2-4-23, Kitaiioka, Morioka-shi, Iwate, 020-0857,  
 Japan  
 Tel: +81-19-134-6616, FAX: +81-19-903-0559  
 Email: support@cellspect.com

**Autoignition Temperature:** No data available  
**Flammability:** No data available  
**Extinguishing media:** Water spray, carbon dioxide, dry chemical powder or appropriate foam  
**Firefighting:** Wear self-contained breathing apparatus and protective clothing to prevent with skin and eyes.

**Components**

Item Number	Name	Quantity
CA30ME/31ME	R-A Buffer	48mL
	R-R Chelate color	13mL
	STD Calcium Standard	1.4mL

**Handling and Storage**

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

**Hazards Identification**

Mixture of the following substances with non-hazardous additions:

R-A Buffer

N-Cyclohexyl-3-aminopropanesulfonic acid <5%  
 (CAS#:1135-40-6)

Octylphenoxypolyethoxyethanol Nonionic Surfactant <5%  
 (CAS#:9002-93-1)

R-R Chelate color

Sodium acetate (CAS#:127-09-3) <0.5%

8-Hydroxyquinoline-5-sulfonic <1%  
 Acid Monohydrate (CAS#:84-88-8)

Octylphenoxypolyethoxyethanol <5%

Nonionic Surfactant (CAS#:9002-93-1) <5%

STD Calcium Standard

Calcium carbonate (CAS#:471-34-1) <0.1%

Nitric acid (CAS#:7697-37-2) <0.1%

**Health Hazard Data:** irritant. Irritating to skin, eyes and respiratory system. Harmful if swallowed.

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

**First Aid Measures**

If eye or skin contact occurs, immediately wash affected area with soap and copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician to seek medical advice.

If swallowed, wash out mouth with water provided person is conscious and call a physician to seek medical advice.

If inhaled, move individual to fresh air and call physician to seek medical advice.

**Fire Fighting Measures**

**Explosion Hazards:** No data available

**Flash Point:** No data available

**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 your 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. Nitrogen oxide. Sulfur oxide.  
**Dangerous Reactions:** 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 Sates 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.*