

Revision date: 2023-06-05

Version: CR_4_en



1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Substance name:

Calretinin ELISA

Article number.:

EA611/96 **REF** CR00

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses:

Reagent / Immunoassay

For professional use only.

Uses advised against:

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Details of the supplier of the safety data sheet:

Supplier

DLD Diagnostika GmbH

Gesellschaft für Diagnostika und medizinische Geräte mbH

Address

Adlerhorst 15

DE – 22459 Hamburg

Information contact

E-Mail: contact@dld-diagnostika.de

Internet: www.dld-diagnostika.de

Telephone / Fax / E-Mail

Tel +49 (0) 40-555 87 10 / Fax +49 (0) 40-555 87 111 / contact@dld-diagnostika.de

Emergency Telephone Number

Tel +49 (0) 4191-722 68 65

2. Hazards identification

Classification of the substance or mixture

Some components of this kit contain hazardous reagents. These components are marked with the adequate hazard label:

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Following components (see 3. Composition/information on ingredients) contain no hazardous reagents in concentrations to be declared.



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3. Composition/information on ingredients

Microtiterstrips	Polystyrol microtiterplate coated with specific antibody
Standards	Diluted antigen, lyophilized
Controls	Diluted antigen, lyophilized
Diluent	Neutral buffer solution, stabilized
Antiserum	Diluted specific antiserum (rabbit), neutral buffer solution, stabilized
Preparation Plate	Polypropylene microtiterplate
Enzyme Conjugate	Diluted anti-rabbit IgG peroxidase conjugate, almost neutral buffer solution, stabilized
Enzyme Conjugate Buffer	Almost neutral buffer solution, stabilized
Wash buffer	Buffer solution with detergent, neutral, concentrate
Substrate	Highly diluted TMB-solution, acidic, stabilized
Stop Solution	0.3 mol/l sulphuric acid
Foil	/
Dilution Vials	Polypropylene vial

Components above contain no hazardous reagents in concentrations to be declared.

4. First aid measures

General informations:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. If unconsciousness, bedding and transport in recovery position.

After skin contact

Generally the product does not irritate the skin.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing

If symptoms persist consult doctor.

5. Firefighting measures

Extinguishing media

Suitable:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

Environmental precautions

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up

Absorb with liquid-binding material.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and storage

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Always close receptacle after use.

Prevent formation of aerosols.

Information about fire - and explosion protection:

Keep respiratory protective device available.

Aerosol and dust generation preventions

Open and handle receptacle with care.

Always close receptacle after use.

Environmental precautions

Do not allow to enter sewers/ surface or ground water.

General hygiene measures

- Eating, drinking or smoking is prohibited in working areas.

- Wash hands after handling.

- Remove contaminated clothing and protective equipment before entering any food handling areas.

Conditions for safe storage, including any incompatibilities

No special requirements



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8. Exposure controls/personal protection

Occupational exposure limit sulphuric acid:

Inhalable fraction: 0,1 mg/m³

Personal protective equipment

Eye / Face protection

Tightly sealed goggles.

Skin protection

Protective Gloves

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. The quality of the protective gloves must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

The exact break through time: Call the manufacturer of the protective gloves and this has to be observed.

Other skin protection measures

Lab coat.

Respiratory protection

No special requirements.

Thermal hazards

No special requirements.

Environmental exposure controls

See sections 6 und 7.

9. Physical and chemical properties

Microtiterstrips	Polystyrol microtiterplate in foil packet
Standards	Powder
Control	Powder
Diluent	Colored, neutral liquid
Antiserum	Colored, neutral liquid
Preparation Plate	Polypropylene microtiterplate in foil packet
Enzyme Conjugate	Yellowish-brown, almost neutral buffer solution
Enzyme Conjugate Buffer	Yellowish-brown, almost neutral buffer solution
Wash buffer	Colorless, neutral liquid
Substrate	Slightly bluish, acidic liquid
Stop Solution	Colorless, acidic liquid, pH < 1
Foil	Adhesive foil in foil packet
Dilution Vials	Polypropylene vials in foil packet

10. Stability and reactivity

Stability of components: See Label.

Used according to intended use and stored under appropriate conditions no dangerous reactions known.

Conditions to avoid: /



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11. Toxicological information

Used according to intended use no toxicological reactions known.

12. Ecological information

Used according to intended use no ecological reactions known.

13. Disposal considerations

Dispose of waste according to applicable local, state, and federal regulations.

14. Transport information

This product is not subject to official transport regulations

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

National Regulations

Water hazard class

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Further relevant regulations

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Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

16. Other information

Indication of changes

Entire Revision

Key literature references and sources for data

Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Further Informationen

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
