



SAFETY DATA SHEET

LDHE Kit (extracellular Lactate Dehydrogenase; Membrane Integrity and Cellular Viability)

Version 1.1 Page 1/3

Processing date 14.12.2007

1. IDENTIFICATION OF THE TEST KIT AND THE COMPANY

Product information

Product Name: IN CYTOTOX LDHE Extracellular Lactate Dehydrogenase Kit
Cat.-No.: AKLE 96.300, AKLE 96.1200
and as part of: AKLEX 96.300, AKLEX 96.1200
AKLEXR 96.300, AKLEXR 96.1200
AKLEXSR 96.300, AKLEXSR 96.1200
AKLGXP 96.300, AKLGXP 96.1200
AKLGXS 96.300, AKLGXS 96.1200
APAN I 96.300, APAN I 96.1200
plus all above with plasticware (x96.310, x96.1210)
Intended use: Research use only, not for diagnostic purposes
Company: Xenometrix by Endotell GmbH
Gewerbestrasse 25
CH-4123 Allschwil
Telephone: +41 61 482 14 34
Telefax: +41 61 482 20 72

2. CHEMICAL CHARACTERISATION

Components

LDH I:

Contains no hazardous substances in concentrations to be declared

LDH II:

Contains no hazardous substances in concentrations to be declared

LDH III:

Contains no hazardous substances in concentrations to be declared

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment

There is at present no information or indication of hazardous properties.

The usual precautions taken when handling chemicals should be observed.

4. FIRST AID MEASURES

Skin contact: Wash skin with water thoroughly.
Eye contact: Promptly wash eyes with water for at least 15 minutes, if necessary seek medical advice.
Ingestion: Obtain medical attention.
Instructions for physician: Symptomatic treatment by a physician.



SAFETY DATA SHEET

LDHE Kit (extracellular Lactate Dehydrogenase; Membrane Integrity and Cellular Viability)

Version 1.1 Page 2/3

Processing date 14.12.2007

5. FIRE-FIGHTING MEASURES

Extinguishing media: No restriction.
Decomposition: Dangerous decomposition is not anticipated.

6. ACCIDENTAL RELEASE MEASURES

Actions to be taken on spillage: Smaller quantities can be washed off with plenty of water.
Absorbent material: No restriction.
Actions to be taken to limit damage: Special measures to limit damage are not necessary.

7. HANDLING AND STORAGE

Handling: The product itself does not burn. No special requirements.
Storage: Store at temperature of about -20 °C.
Do not store together with: No restriction.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required.
Eye protection: Safety glasses
Hand protection: Protective gloves
Hygiene measures: Wash hands before breaks and at the end of workday."

9. PHYSICAL AND CHEMICAL PROPERTIES

LDH I:

Form: liquid
Miscibility with water: completely miscible

LDH II and LDH III:

Form: solid

10. STABILITY AND REACTIVITY

Hazardous reactions: none under normal use
Hazardous decomposition products: only in small concentrations



SAFETY DATA SHEET

LDHE Kit (extracellular Lactate Dehydrogenase; Membrane Integrity and Cellular Viability)

Version 1.1 Page 3/3

Processing date 14.12.2007

11. TOXICOLOGICAL INFORMATION

Not applicable or no information

12. ECOLOGICAL INFORMATION

Not applicable or no information

13. DISPOSAL CONSIDERATIONS

Waste disposal route: Small quantities may be disposed off in waste water.

Disposal of empty packaging: Dispose of empty packs via local recycling or waste disposal routes- if necessary, clean them beforehand.

14. TRANSPORT INFORMATION

Is not subject to current regulations for transportation of dangerous goods (ADR/RID, IMDG, IATA/ICAO)



SAFETY DATA SHEET

GLU Kit (Cellular Metabolism and Glucose Consumption)

Version 1.1 Page 1/3

Processing date 14.12.2007

1. IDENTIFICATION OF THE TEST KIT AND THE COMPANY

Product information

Product Name: IN CYTOTOX Glucose Kit
Cat.-No.: AKGLU 96.400, AKGLU 96.1200
and as part of: AKLGXP 96.300, AKLGXP 96.1200
AKLGXS 96.300, AKLGXS 96.1200
plus all above with plasticware (x96.3/410, x96.1210)
Intended use: Research use only, not for diagnostic purposes
Company: Xenometrix by Endotell GmbH
Gewerbestrasse 25
CH-4123 Allschwil
Telephone: +41 61 482 14 34
Telefax: +41 61 482 20 72

2. CHEMICAL CHARACTERISATION

Kit contents (chemicals)

GLU I:

Contains no hazardous substances in concentrations to be declared

GLU II:

Labelling: Orthodianisidine; CAS-No. 20325-40-0

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment

GLU I: Inhalation of dust may cause allergic reaction or sensitisation.

GLU II: Harmful if swallowed, inhaled or absorbed through skin. Causes eye and skin irritation. Material is irritating to mucous membranes and upper respiratory tract. Causes sneezing. Do not inhale. Chronic effects: Carcinogen. May alter genetic material. Target organ: Bladder.

The usual precautions taken when handling chemicals should be observed.

4. FIRST AID MEASURES

GLU I and GLU II:

Skin contact: Wash skin with water thoroughly.
Eye contact: Promptly wash eyes with water for at least 15 minutes, if necessary seek medical advice.
Ingestion: Obtain medical attention.
Instructions for physician: Symptomatic treatment by a physician.



SAFETY DATA SHEET

GLU Kit (Cellular Metabolism and Glucose Consumption)

Version 1.1 Page 2/3

Processing date 14.12.2007

5. FIRE-FIGHTING MEASURES

Extinguishing media: No restriction.
Decomposition: **GLU II:** Emits toxic fumes under fire conditions.

6. ACCIDENTAL RELEASE MEASURES

GLU I:

Actions to be taken on spillage: Smaller quantities can be washed off with plenty of water.

Absorbent material: No restriction.

Actions to be taken to limit damage: Special measures to limit damage are not necessary.

GLU II:

Actions to be taken on spillage: Avoid skin contact. Dispose with laboratory waste. Wash spill area.

Absorbent material: No restriction.

Actions to be taken to limit damage: Special measures to limit damage are not necessary.

7. HANDLING AND STORAGE

Handling: No special requirements.

Storage: Store whole kit at temperature of about -20°C.

Do not store together with: No restriction.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required.

Eye protection: Safety glasses

Hand protection: Protective gloves

Hygiene measures: Wash hands before breaks and at the end of workday."



SAFETY DATA SHEET

GLU Kit (Cellular Metabolism and Glucose Consumption)

Version 1.1 Page 3/3

Processing date 14.12.2007

9. PHYSICAL AND CHEMICAL PROPERTIES

GLU I and GLU II:

Form: solid
Miscibility with water: completely miscible

10. STABILITY AND REACTIVITY

GLU I:

Hazardous reactions: none under normal use
Hazardous decomposition products: none under normal use

GLU II:

Hazardous reactions: none under normal use
Hazardous decomposition products: only in small concentrations (Carbon monoxide, nitrogen oxides, HCl gas)

11. TOXICOLOGICAL INFORMATION

GLU II: Tumorigenic

12. ECOLOGICAL INFORMATION

Water hazard class: No information available

13. DISPOSAL CONSIDERATIONS

Waste disposal route: Small quantities may be disposed off in waste water.

Disposal of empty packaging: Dispose of empty packs via laboratory waste disposal routes.

14. TRANSPORT INFORMATION

Is not subject to current regulations for transportation of dangerous goods (ADR/RID, IMDG, IATA/ICAO)



SAFETY DATA SHEET

XTT Kit (Tetrazolium Hydroxide; Mitochondrial Metabolism)

Version 1.1 Page 1/3

Processing date 14.12.2007

1. IDENTIFICATION OF THE TEST KIT AND THE COMPANY

Product information

Product Name: XTT Kit
Cat.-No.: AKXT 96.300, AKXT 96.1200
and as part of: AKXCV 96.300, AKXCV 96.1200
AKLEX 96.300, AKLEX 96.1200
AKXPAC 96.300, AKXPAC 96.1200
AKXSR 96.300, AKXSR 96.1200
AKLEXR 96.300, AKLEXR 96.1200
AKLEXSR 96.300, AKLEXSR 96.1200
AKXTSCV 96.300, AKXTSCV 96.1200
AKXTRS 96.300, AKXTRS 96.1200
AKLGXP 96.300, AKLGXP 96.1200
AKLGXS 96.300, AKLGXS 96.1200
APAN I 96.300, APAN I 96.1200
plus all above with plasticware (x96.310, x96.1210)
Intended use: Research use only, not for diagnostic purposes
Company: Xenometrix by Endotell GmbH
Gewerbestrasse 25
CH-4123 Allschwil
Telephone: +41 61 482 14 34
Telefax: +41 61 482 20 72

2. CHEMICAL CHARACTERISATION

Components

XTT I:

Contains no hazardous substances in concentrations to be declared

XTT II:

Contains no hazardous substances in concentrations to be declared

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment

There is at present no information or indication of hazardous properties.

The usual precautions taken when handling chemicals should be observed.

4. FIRST AID MEASURES

Skin contact: Wash skin with water thoroughly.
Eye contact: Promptly wash eyes with water for at least 15 minutes, if necessary seek medical advice.
Ingestion: Obtain medical attention.
Instructions for physician: Symptomatic treatment by a physician.



SAFETY DATA SHEET

XTT Kit (Tetrazolium Hydroxide; Mitochondrial Metabolism)

Version 1.1 Page 2/3

Processing date 14.12.2007

5. FIRE-FIGHTING MEASURES

Extinguishing media: No restriction.
Decomposition: Dangerous decomposition is not anticipated.

6. ACCIDENTAL RELEASE MEASURES

Actions to be taken on spillage: Smaller quantities can be washed off with plenty of water.
Absorbent material: No restriction.
Actions to be taken to limit damage: Special measures to limit damage are not necessary.

7. HANDLING AND STORAGE

Handling: The product itself does not burn. No special requirements.
Storage: Store at temperature of about -20°C and protected from light
Do not store together with: No restriction.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required.
Eye protection: Safety glasses
Hand protection: Protective gloves
Hygiene measures: Wash hands before breaks and at the end of workday."

9. PHYSICAL AND CHEMICAL PROPERTIES

XTT I:

Form: liquid
Miscibility with water: completely miscible

XTT II:

Form: liquid
Miscibility with water: completely miscible

10. STABILITY AND REACTIVITY

Hazardous reactions: none under normal use
Hazardous decomposition products: only in small concentrations



SAFETY DATA SHEET

XTT Kit (Tetrazolium Hydroxide; Mitochondrial Metabolism)

Version 1.1 Page 3/3

Processing date 14.12.2007

11. TOXICOLOGICAL INFORMATION

Toxicological information for the product

N/A

12. ECOLOGICAL INFORMATION

No information available

13. DISPOSAL CONSIDERATIONS

Waste disposal route: Small quantities may be disposed off in waste water.

Disposal of empty packaging: Dispose of empty packs via local recycling or waste disposal routes- if necessary, clean them beforehand.

14. TRANSPORT INFORMATION

Is not subject to current regulations for transportation of dangerous goods (ADR/RID, IMDG, IATA/ICAO)



SAFETY DATA SHEET

SRB Kit (Sulforhodamin B; Total Protein Synthesis Rate and Cell Proliferation)

Version 1.1 Page 1/4

Processing date 14.12.2007

1. IDENTIFICATION OF THE TEST KIT AND THE COMPANY

Product information

Product Name: IN CYTOTOX SRB Sulforhodamine B Kit
Cat.-No.: AKSR 96.300, AKSR 96.1200
and as part of: AKRSR 96.300, AKRSR 96.1200
AKSRCV 96.300, AKSRCV 96.1200
AKXSR 96.300, AKXSR 96.1200
AKLEXSR 96.300, AKLEXSR 96.1200
AKXTSCV 96.300, AKXTSCV 96.1200
AKXTRS 96.300, AKXTRS 96.1200
AKLGXS 96.300, AKLGXS 96.1200
APAN I 96.300, APAN I 96.1200
plus all above with plasticware (x96.310, x96.1210)
Intended use: Research use only, not for diagnostic purposes
Company: Xenometrix by Endotell GmbH
Gewerbestrasse 25
CH-4123 Allschwil
Telephone: +41 61 482 14 34
Telefax: +41 61 482 20 72

2. CHEMICAL CHARACTERISATION

Components

SRB I:

Contains no hazardous substances in concentrations to be declared

SRB II:

Labeling: Trichloroacetic acid TCA; CAS-No. 76-03-9

SRB III:

Contains no hazardous substances in concentrations to be declared

SRB IV:

Contains no hazardous substances in concentrations to be declared

SRB V:

Contains no hazardous substances in concentrations to be declared



SAFETY DATA SHEET

SRB Kit (Sulforhodamin B; Total Protein Synthesis Rate and Cell Proliferation)

Version 1.1 Page 2/4

Processing date 14.12.2007

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment

SRB II:

DANGER! CORROSIVE. CAUSES SEVERE BURNS TO EVERY AREA OF CONTACT. HARMFUL IF SWALLOWED OR INHALED. INHALATION MAY CAUSE LUNG DAMAGE.

Potential health effects.

Inhalation:

Inhalation of dust may cause coughing, choking, with variable symptoms of headache, dizziness, and weakness. May cause lung edema.

Ingestion:

Corrosive. Sore throat, severe abdominal pain, vomiting, and tissue damage may occur.

Skin Contact:

Corrosive. Redness, pain, skin burns can occur.

Eye Contact:

Corrosive. Redness, pain, blurred vision can occur. Can cause burns and permanent eye damage.

Chronic Exposure:

Long exposures to acid fumes may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of bronchial pneumonia may also occur.

Aggravation of Pre-existing Conditions:

Persons with skin disorders, eye problems, or respiratory problems may be more susceptible to the effects of this substance.

The usual precautions taken when handling chemicals should be observed with all other components of the kit.

4. FIRST AID MEASURES

SRB I, SRB III, SRB IV, SRB V:

Skin contact: Wash skin with water thoroughly.

Eye contact: Promptly wash eyes with water for at least 15 minutes, if necessary seek medical advice.

Ingestion: Obtain medical attention.

Instructions for physician: Symptomatic treatment by a physician.

SRB II:

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician, immediately. Wash clothing before reuse.

Eye Contact: Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately.

Ingestion: If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately



SAFETY DATA SHEET

SRB Kit (Sulforhodamin B; Total Protein Synthesis Rate and Cell Proliferation)

Version 1.1 Page 3/4

Processing date 14.12.2007

5. FIRE-FIGHTING MEASURES

- Extinguishing media: **SRB II:** Fires involving this material can be controlled with a dry chemical, carbon dioxide, or Halon extinguisher.
All other kit contents: No restriction.
- Decomposition: **SRB II:** When heated to decomposition, product may emit toxic fumes of CO, CO₂, and HCl gas.
All other kit contents: Dangerous decomposition is not anticipated.

6. ACCIDENTAL RELEASE MEASURES

SRB I, SRB III, SRB IV, SRB V:

Actions to be taken on spillage: Smaller quantities can be washed off with plenty of water.

Absorbent material: No restriction.

Actions to be taken to limit damage: Special measures to limit damage are not necessary.

SRB II:

Ventilate area of leak or spill. Clean-up personnel need protection against inhalation or contact with substance. Use absorbent paper to pick up all liquid spill material. Seal the absorbent paper, as well as contaminated clothing, in a vapor-tight plastic bag for disposal. Wash all contaminated surfaces with a soap and water solution.

7. HANDLING AND STORAGE

SRB I, SRB III, SRB IV, SRB V:

Handling: The product itself does not burn. No special requirements.

Storage: Store at temperature of about -20 °C.

Do not store together with: No restriction.

SRB II:

Wear gloves (nitrile), lab coat and splash-proof safety goggles when handling. Wash hands after handling.

Protect container against physical damage. Containers of this material may be hazardous when empty since they retain product residues; observe all warnings and precautions listed for the product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

- Respiratory protection: No personal respiratory protective equipment normally required.
- Eye protection: Safety glasses.
- Skin protection: Lab coat and protective gloves (nitrile gloves for SRB II)
- Hygiene measures: Wash hands after handling



SAFETY DATA SHEET

SRB Kit (Sulforhodamin B; Total Protein Synthesis Rate and Cell Proliferation)

Version 1.1 Page 4/4

Processing date 14.12.2007

9. PHYSICAL AND CHEMICAL PROPERTIES

SRB I, SRB II, SRB III, SRB IV, SRB V:

Form: liquid
Miscibility with water: completely miscible

10. STABILITY AND REACTIVITY

Hazardous reactions: none under normal use
Hazardous decomposition products: Carbon monoxide, carbon dioxide, chloroform, hydrogen chloride, phosgene

11. TOXICOLOGICAL INFORMATION

SRB I, SRB III, SRB IV, SRB V:

No toxicological information available

SRB II:

Acute Toxicity: Trichloroacetic acid may cause severe burns and is highly irritating to the eyes and skin. It is a corrosive irritant that rapidly penetrates and "fixes" tissues. It is extremely destructive to tissues of the mucous membranes and upper respiratory tract, eyes, and skin. Skin irritation tests in rabbits resulted in a "mild" rating at 210 mg. Trichloroacetic acid is classified as a poison by subcutaneous route and is moderately toxic by intraperitoneal route.

Signs/Symptoms of Overexposure: Inhalation may result in coughing, choking, headache, dizziness, weakness, or pulmonary edema. Ingestion may cause sore throat, severe abdominal pain, vomiting or tissue damage. Redness, pain, and blurred vision may result from skin or eye exposure.

Chronic Toxicity: This product is not considered a carcinogen by NTP, IARC or OSHA.

12. ECOLOGICAL INFORMATION

None anticipated under normal conditions of use.

13. DISPOSAL CONSIDERATIONS

SRB I, SRB III, SRB IV, SRB V:

Waste disposal route: Small quantities may be disposed off in waste water.

Disposal of empty packaging: Dispose of empty packs via local recycling or waste disposal routes- if necessary, clean them beforehand.

SRB II:

Waste disposal route: TCA is a strong acid. Small quantities may be disposed off in wastewater, depending on local regulations for your lab. If necessary neutralize with bicarbonate before disposing.

Disposal of empty packaging: Dispose of empty packs via waste disposal routes- if necessary, clean them beforehand.

14. TRANSPORT INFORMATION

SRB II:

Proper shipping name (DOT): Trichloroacetic acid, solution

UN/ID number: UN2564 Hazard class: 8

Packing group: II Labels required: Corrosive