



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.



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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



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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)



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GLU Kit (Cellular Metabolism and Glucose Consumption)

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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.



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GLU Kit (Cellular Metabolism and Glucose Consumption)

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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."



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GLU Kit (Cellular Metabolism and Glucose Consumption)

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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)



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XTT Kit (Tetrazolium Hydroxide; Mitochondrial Metabolism)

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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.



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XTT Kit (Tetrazolium Hydroxide; Mitochondrial Metabolism)

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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



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XTT Kit (Tetrazolium Hydroxide; Mitochondrial Metabolism)

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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

PAC Kit (Acid phosphatase, Lysosomal activity)

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 PAC Acid Phosphatase Kit
Cat.-No.: AKPA 96.300, AKPA 96.1200
and as part of: AKXPAC 96.300, AKXPAC 96.1200
AKLGXP 96.300, AKLGXP 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

PAC I:

Contains no hazardous substances in concentrations to be declared

PAC II:

Contains no hazardous substances in concentrations to be declared

PAC III:

Ingredients: Triton X-100; CAS-No. 9002-93-1

PAC IV:

Ingredients: Sodium hydroxide; CAS-No. 1310-73-2

3. HAZARDS IDENTIFICATION

PAC III:

DANGER !

HARMFUL IF SWALLOWED. CAUSES EYE IRRITATION. MAY CAUSE RESPIRATORY TRACT AND SKIN IRRITATION.

Routes of Entry Absorbed through skin, eye contact, inhalation, ingestion.

Potential Acute Health Effects

Eyes

Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.

Skin

May be hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation

May be hazardous in case of inhalation (lung irritant).

Ingestion

Hazardous in case of ingestion



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PAC Kit (Acid phosphatase, Lysosomal activity)

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PAC IV:

DANGER!

POISON!

CAUSES SEVERE EYE AND SKIN BURNS. CAUSES RESPIRATORY TRACT BURNS.

HARMFUL IF INHALED, ABSORBED THROUGH SKIN OR SWALLOWED.

CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS:

LUNGS, RESPIRATORY TRACT, SKIN, EYE, LENS OR CORNEA.

Routes of Entry Absorbed through skin. Eye contact. Inhalation. Ingestion..

Potential Acute Health Effects

Eyes Extremely hazardous in case of eye contact (corrosive). Causes severe eye burns.

Skin Extremely hazardous in case of skin contact (corrosive). Skin contact produces severe burns. Hazardous in case of skin contact (permeator).

Inhalation Hazardous in case of inhalation (lung corrosive).

Ingestion Hazardous in case of ingestion

4. FIRST AID MEASURES

PAC III and PAC IV:

Skin Contact In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

Ingestion If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

PAC I and PAC 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

PAC Kit (Acid phosphatase, Lysosomal activity)

Version 1.1 Page 3/4

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: Reagents PAC I, PAC III and PAC IV must be stored at 4°C. The substrate solution PAC II is photosensitive and has to be stored protected from light at 4°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 after handling

9. PHYSICAL AND CHEMICAL PROPERTIES

PAC I, III, IV:

Form: liquid
Miscibility with water: completely miscible

PAC II:

Form: solid

10. STABILITY AND REACTIVITY

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



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PAC Kit (Acid phosphatase, Lysosomal activity)

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Processing date 14.12.2007

11. TOXICOLOGICAL INFORMATION

PAC III and PAC IV:

Acute effects on humans: see Section 3

Acute toxicological information in animals (LD50): Not available or not relevant at concentrations used in product.

12. ECOLOGICAL INFORMATION

Not 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)