



## MATERIAL SAFETY DATA SHEET

### LDH Cell Cytotoxicity Assay Kit

#### SECTION 1. IDENTIFICATION

<b>Product name</b>	LDH Cell Cytotoxicity Assay Kit
<b>Catalogue number</b>	ZX-44118-100/500/1000
<b>Manufacturer or supplier's details</b>	ZellBio GmbH . Krantorweg 48c . 13503 Berlin
<b>Telephone</b>	0049-30 81309085
<b>Fax</b>	0049-30 81309086
<b>Email</b>	support@zellx.de

#### SECTION 2. HAZARDS IDENTIFICATION



Regulation (EC) No. 1272/2008 [CLP/GHS]

Triton X-100 (Poly(oxy-1,2-ethanediyl),  
-[4-(1,1,3,3tetramethylbutyl)phenyl] hydroxy)

Acetic acid

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H318 Causes serious eye damage.  
H302 Harmful if swallowed.  
H411 Harmful to aquatic life with long lasting effects.

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H226 Flammable liquid and vapour.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H402 Harmful to aquatic life.

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#### SECTION 3. FIRST AID MEASURES

**General advice**

**If inhaled**

**In case of skin contact**

**In case of eye contact**

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Show this material safety data sheet to the doctor in attendance.

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If inhaled, remove to fresh air

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Rinse with copious amounts of water and wash thoroughly with soap and water.

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Rinse eyes with running water, checking for and removing contact lenses. Assure adequate flushing by separating the eyelids with fingers and seek medical attention.

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If swallowed

If swallowed, wash out mouth with water if person is conscious.

#### SECTION 4. INFORMATION ON INGREDIENTS

Description:	Chemical Name	CAS No	Weight %
Triton X-100 (Poly(oxy-1,2-ethanediyl),	$\alpha$ -[4-(1,1,3,3-tetramethylbutyl)phenyl] $\omega$ hydroxy)	9002-93-1	3-10
Acetic acid		64-19-7	5,96

Additional components of the kit are non-hazardous or the specific chemical identity and/or exact percentage (concentration) of composition have been withheld as a trade secret.

ZX-44118-100/500/1000

#### SECTION 5. FIRE-FIGHTING MEASURES

**Extinguishing Media**

Suitable: Water spray. Carbon Dioxide, dry chemical powder, or appropriate foam.

**Firefighting**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

**Methods and materials for containment and cleaning up**

Keep in suitable, closed containers for disposal.

**Environmental precautions**

Discharge into drains should be avoided.

#### SECTION 7. HANDLING AND STORAGE

**Handling**

Avoid getting components of this kit on you or in you. Always wear appropriate protective clothing. Always wash hands and other exposed areas thoroughly after using this kit. Do not eat or drink while using this kit. Qualified and experienced professionals should only handle this kit.

**Storage**

Store according to the package insert instructions.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls**

No special engineering controls are required when working with this kit.  
Use with adequate ventilation.

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**Protective Equipment**

Safety glasses are recommended to prevent eye contact. Chemical resistant gloves, lab coat should be worn to prevent skin contact.

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**SECTION 9. STABILITY AND REACTIVITY**

**Stability**  
**Hazardous**  
**Decomposition Products**  
**Incompatibilities**

This material is stable until the expiration date on the kit if stored as directed.  
Oxygen, which supports combustion.

Reducing agents, combustible materials.

**SECTION 10. TOXICOLOGICAL INFORMATION**

May cause skin irritation. May be harmful if absorbed through the skin. May cause eye irritation. May be harmful if inhaled swallowed. Material may be irritating to mucous membranes upper respiratory tract.

**Acute toxicity:**

Not hazardous

**Sensitization:** None

**Germ cell mutagenicity:** None

**Carcinogenicity:** None

**Reproductive toxicity:** None

**Target organ toxicity:** No known effects under normal use conditions

**Aspiration hazard:** No data available

**Potential health effects:**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion:** May be harmful if swallowed.

**Skin:** May cause eye irritation with susceptible persons

**Eyes:** May cause eye irritation with susceptible persons

**Route of Exposure**

**Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**SECTION 11. ECOLOGICAL INFORMATION**

**Ecotoxicological Information:** No ecological information available.

**Environmental Fate (Degradation, Transformation, and Persistence):** Bioconcentration is not expected to occur.

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## SECTION 12. DISPOSAL CONSIDERATIONS

### Appropriate Method of Disposal of Substance

Dispose of waste materials, unused components and contaminated packaging in compliance with country, state, district and local regulations. If unsure of the applicable requirements, contact the authorities for information.

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## SECTION 13. TRANSPORT INFORMATION

### U.S. and Canadian Transportation; DOT

Not dangerous good during transportation

### International Air Transportation (IATA)

Not dangerous good during transportation

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## SECTION 14. REGULATORY INFORMATION

### Product related information

The product is not subject to classification according to the sources of literature known to us. Observe general safety regulations when handling chemicals.

### Safety Statements

Avoid release to the environment.

### Risk Statements

Harmful if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### U.S. Regulatory Information

Sara Listed: No

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## SECTION 15. OTHER INFORMATION

### Department

R&D - ZELLX project - ZellBio GmbH

### Last Revision

07.07.2021

### Disclaimer:

For Research Use Only. Not for diagnostic, therapeutic, or other uses.

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### Other Information

The information contained in this document is accurate to the best of our knowledge and is provided in good faith. This document is intended only as a guide to the appropriate precautionary handling of the materials contained in this kit by properly trained personnel using this kit. Final determination or suitability of any materials is the sole responsibility of the user. ZELLX® shall not be held liable for any damage resulting from use or handling of this product.

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