



MATERIAL SAFETY DATA SHEET

Sulforhodamine B (SRB) Cell Cytotoxicity Colorimetric Assay

SECTION 1. IDENTIFICATION

Product name	Sulforhodamine B (SRB) Cell Cytotoxicity Colorimetric Assay (1000 assays)
Catalogue number	ZX 44119 1000
Manufacturer or supplier's details	ZellBio GmbH . Krantorweg 48c . 13503 Berlin
Telephone	0049-30 81309085
Fax	0049-30 81309086
Email	support@zellx.de

SECTION 2. HAZARDS IDENTIFICATION

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

Fixative Reagent: 50-80% Trichloroacetic acid TCA; CAS-No. 76-03-9

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



SECTION 3. FIRST AID MEASURES

General advice	Show this material safety data sheet to the doctor in attendance.
If inhaled	If inhaled, remove to fresh air. Seek medical attention if any respiratory symptoms develop.
In case of skin contact	Rinse with copious amounts of water and wash thoroughly with soap and water for 15 minutes. Remove contaminated clothing and shoes. If irritation or discomfort develops seek medical attention.
In case of eye contact	Rinse eyes with running water, checking for and removing contact lenses. Continue for at least 15 minutes. Seek medical attention.
If swallowed	If swallowed, wash out mouth with water if person is conscious. Seek medical attention.

SECTION 4. INFORMATION ON INGREDIENTS

Dye Wash solution (10X): Contains no hazardous substances in concentrations to be declared

Fixative Reagent: 50-80% Trichloroacetic acid TCA; CAS-No. 76-03-9

SRB Dye: 100% Sulforhodamine B; CAS-No. 3520-42-1.

SRB Solubilization Buffer: Contains no hazardous substances in concentrations to be declared

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-44119-1000

SECTION 5. FIRE-FIGHTING MEASURES

Flash Point	N/A
Explosion Hazards	N/A
Auto-ignition Temp	N/A
Flammability	N/A
Extinguishing Media	<u>Suitable: Carbon Dioxide, dry chemical powder, or appropriate foam.</u>
Firefighting	Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fires conditions.

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	<u>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.</u>
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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.

Protective Equipment

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

SECTION 9. STABILITY AND REACTIVITY

**Stability
Materials to Avoid
Incompatibilities**

This material is stable until the expiration date on the kit if stored as directed.
Heat, incompatibles
Strong oxidizing agents. Sodium azide may react with lead and copper plumbing.

SECTION 10. TOXICOLOGICAL INFORMATION

Route of Exposure

Skin Contact: May cause skin irritation.
Skin Absorption: May be harmful if absorbed through the skin.
Eye Contact: May cause eye irritation.
Inhalation: May be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
Ingestion: Harmful if swallowed.

Symptoms of Exposure

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

Fixative Reagent:

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.

SECTION 11. ECOLOGICAL INFORMATION

Harmful to aquatic organisms. May cause long-term adverse effects in aquatic environment.

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.

SECTION 13. TRANSPORT INFORMATION

U.S. and Canadian Transportation; DOT

Proper Shipping Name: Chemical Kits
UN Identification Number: 2564
Class and Description: 8
Packing Group: N/A
Hazard Label: Class 8

International Air Transportation (IATA)

Proper Shipping Name: Chemical Kits
UN Identification Number: 2564
Class and Description: 8
Packing Group: II Hazard
Label Class: 8

SECTION 14. REGULATORY INFORMATION

Product related information
Safety Statements

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

Risk Statements
U.S. Regulatory Information

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

Sara Listed: N/A

SECTION 15. OTHER INFORMATION

Department
Last Revision
Disclaimer:

R&D - ZELLX project - ZellBio GmbH
09.07.2021
For Research Use Only. Not for diagnostic, therapeutic, or other uses.

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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