



MATERIAL SAFETY DATA SHEET

Total Antioxidant Capacity (FRAP) Detection Assay (Colorimetric)

SECTION 1. IDENTIFICATION

Product name	Total Antioxidant Capacity (FRAP) Detection Assay (Colorimetric)
Catalogue number	ZX-44109-96
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]

Hazard statements

This product contains no substances considered hazardous to health at supplied concentrations.

Precautionary statements

Wear protective gloves, clothing, and eye/face protection. As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to these products and ensure prompt removal from skin, eye, and clothing.

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

In case of skin contact

Wash thoroughly with soap and water.

In case of eye contact

Rinse eyes with water as a precaution

If swallowed

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

SECTION 4. INFORMATION ON INGREDIENTS

Components:

Ferrous Chloride Standard (C152-90UL)

FRAP Reagent A (C148-1.4ML)

FRAP Reagent B (C149-1.4ML)

Ascorbic Acid Control (C150-1EA)

Assay Buffer Concentrate (X121-25ML)

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-44109-96

SECTION 5. FIRE-FIGHTING MEASURES**Extinguishing Media**

Suitable: Water spray. Carbon Dioxide, dry chemical powder.

Firefighting

Protective Equipment: Wear self-contained breathing apparatus and protective clothing if necessary.

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.

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

This material is stable until the expiration date on the bottle if stored as directed on product specific information.

Incompatibilities

Unknown. Handle with care.

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 harmful if inhaled. May be irritating to respiratory tract.
Ingestion: May be harmful if swallowed.

Symptoms of Exposure

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

SECTION 11. ECOLOGICAL INFORMATION

No data is available.

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: 1789
Class and Description: 8, Miscellaneous
Packing Group: N/A
Hazard Label: Class 8

International Air Transportation (IATA)

Proper Shipping Name: Chemical Kits
UN Identification Number: 1789
Class and Description: 8, Miscellaneous
Packing Group: III Hazard
Label Class: 8

SECTION 14. REGULATORY INFORMATION

Product related information
Safety Statements
Risk Statements
U.S. Regulatory Information

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

Avoid release to the environment.

Harmful if swallowed.

Sara Listed: No

SECTION 15. OTHER INFORMATION

Department
Last Revision
Disclaimer:

R&D - ZELLX project - ZellBio GmbH
08.12.2019

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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Made in Germany



