



MATERIAL SAFETY DATA SHEET

Plant RNA extraction Kit

SECTION 1. IDENTIFICATION

Product name	Plant RNA extraction Kit
Catalogue number	ZX-22104-50/100
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]

Acute toxicity, Category 4
Skin irritation, Category 2
Serious eye damage, Category 1

Hazard statements

Harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.

Precautionary statements

Wash hands thoroughly after handling.
Wear protective gloves, clothing, and eye/face protection.

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

If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.

In case of eye contact

Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist

If swallowed

Clean mouth with water and drink afterwards plenty of water.
Keep respiratory tract clear.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

SECTION 4. INFORMATION ON INGREDIENTS

Lysis Buffer:

25-50 % Guanidinium thiocyanate; CAS-No. 583-84-0

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25-50 % Guanidinium thiocyanate; CAS-No. 583-84-0

Wash buffer1:

25-60% M Guanidinium chloride; CAS-No. 50-01-1

All other components not listed here are either not dangerous or their concentrations do not exceed the limits specified in Regulation (EC) No 1272/2008.

We recommend handling all chemicals with caution.

SECTION 5. FIRE-FIGHTING MEASURES

Decomposition

Dangerous decomposition is not anticipated.

Extinguishing Media

Extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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
Methods and materials for containment and cleaning up
Environmental precautions

Use personal protective equipment. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
Keep in suitable, closed containers for disposal.
Discharge into drains should be avoided.

SECTION 7. HANDLING AND STORAGE

Handling

Avoid getting components of this kit on you or in you. Do not breathe vapor.
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
Hazardous Decomposition Products
Incompatibilities

This material is stable until the expiration date on the kit if stored as directed.
Thermal decomposition may release toxic fumes
N/A

SECTION 10. TOXICOLOGICAL INFORMATION

Route of Exposure

Skin Contact: May cause discoloration of the skin, sensitization dermatitis.
Skin Absorption: May be harmful if absorbed through the skin.
Eye Contact: May cause eye irritation.
Inhalation: 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.

SECTION 11. ECOLOGICAL INFORMATION

Water hazard class 1

Slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 12. DISPOSAL CONSIDERATIONS

Appropriate Method of Disposal of Substance

Waste disposal route: Used reagent can be disposed of in the waste water in accordance with local regulations.

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

SECTION 13. TRANSPORT INFORMATION

U.S. and Canadian Transportation; DOT

Proper Shipping Name: Chemical Kits

UN Identification Number: Not regulated as a dangerous good

Class and Description: Not regulated as a dangerous good

Packing Group: Not regulated as a dangerous good

Hazard Label: Not regulated as a dangerous good

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Label Class: Not regulated as a dangerous good

International Air Transportation (IATA)

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

R&D - ZELLX project - ZellBio GmbH

Last Revision

Disclaimer:

09.05.2021

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

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.

Other Information

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