



MATERIAL SAFETY DATA SHEET

Cell free DNA (cfDNA) Isolation Kit

SECTION 1. IDENTIFICATION

Product name	Cell free DNA (cfDNA) Isolation Kit
Catalogue number	ZX 22105 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



Proteinase K (lyophilized)

Acute Oral Toxicity, Category 2
Acute Dermal Toxicity, Category 1
Specific Organ Toxicity, Category 2
Skin Sensitization, Category 1



Hazard statements

Harmful if swallowed
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May cause allergy or asthma symptoms or breathing difficulties if inhaled

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

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

Component	Ingredient	Percent	CAS No.
Proteinase K	lyophilized	70-90%	39450-01-6

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-22105-50/100

SECTION 5. FIRE-FIGHTING MEASURES

Flash Point

N/A

Explosion Hazards

N/A

Auto-ignition Temp

N/A

Flammability

N/A

Extinguishing Media

Suitable: 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.

Specific Hazard(s): Emits toxic fumes under fires conditions.

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. 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

Materials to Avoid

Incompatibilities

This material is stable until the expiration date on the kit if stored as directed.

N/A

N/A

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.

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: Not regulated as a dangerous good
Class and Description: Not regulated as a dangerous good
Packing Group: Not regulated as a dangerous good
Label Class: Not regulated as a dangerous good

International Air Transportation (IATA)

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
Label Class: Not regulated as a dangerous good

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.

Avoid release to the environment.

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

Risk Statements**U.S. Regulatory Information**

N/A

SECTION 15. OTHER INFORMATION**Department****Last Revision****Disclaimer:**

R&D - ZELLX project - ZellBio GmbH

20.07.2021

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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