

Safety Data Sheet

Date of issue: 15.03.2023 (Second edition)

1 PRODUCT AND COMPANY IDENTIFICATION

REF	NLK-01-008 ; NLK-01-048
Product Name	Unison™ Ultralow DNA NGS Library Preparation Kit
Component	Transposase Mix 5x Reaction buffer 5x Stop buffer Amplification Mix
Description	<ul style="list-style-type: none">- Unison™ Ultralow DNA NGS Library Preparation Kit is a set of next-generation sequencing library construction reagents suitable for ultralow input of DNA. It has the advantages of fast process, simple operation, ultralow input DNA samples required, consistent and good quality of final constructed library DNA samples, etc. Constructed DNA libraries can be sequenced on the Illumina Next-Generation Sequencing (NGS) platforms.- This kit is for Research Use Only.
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2 HAZARD IDENTIFICATION

OSHA Hazards	No known OSHA hazards.
HMIS Classification	Health hazard: 0 Flammability: 0 Physical hazards: 0
NFPA Rating	Health hazard: 0 Fire: 0 Reactivity Hazard: 0
Potential Health Effects	Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes cause eye irritation. Ingestion May be harmful if swallowed.

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3 INFORMATION ON INGREDIENTS

This product does not contain hazardous chemicals at concentrations of 1% or greater.

4 FIRST AID MEASURES

If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Flush eyes with water as a precaution.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.

5 FIRE-FIGHTING MEASURES

Conditions of flammability	Not flammable or combustible.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for firefighters	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous combustion products	Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid dust formation. Avoid breathing vapours, mist or gas.
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Sweep up and shovel. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Precautions for safe handling	Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for safe storage	Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: -20°C. Keep in a dry place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection	Respiratory protection is not required.
Hand protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal.
Eye protection	Use equipment for eye protection tested and approved under appropriate government.
Skin and body protection	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Hygiene measures	General industrial hygiene practice.

9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form: liquid

Color: colorless

pH: 7.5-8.5

Melting point/freezing point: no data available

Boiling point: 100°C

Flash point: no data available

Ignition temperature: no data available

Auto-ignition temperature: no data available

Lower explosion limit: no data available

Upper explosion limit: no data available

Vapour pressure: no data available

Density: no data available

Water solubility: 100% soluble

Relative vapour density: no data available

Odor: no data available

Odor Threshold: no data available

Evaporation rate: no data available

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10 STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions
Possibility of hazardous reactions	no data available
Conditions to avoid	Heating (decomposition)
Materials to avoid	Strong acids, Strong bases
Hazardous decomposition products	Other decomposition products - no data available Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen

11 TOXICOLOGICAL INFORMATION

None available.

12 ECOLOGICAL INFORMATION

None available.

13 DISPOSAL CONSIDERATIONS

Product	Waste material must be disposed of in accordance with the national and local regulations.
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14 TRANSPORT INFORMATION

Road / Railway Haulage ADR/RID	Not restricted.
Sea Freight IMO (IMDG)	Not restricted.
Air Freight IATA (ICAO)	Not restricted.
UN Number	Not applicable.

15 REGULATORY INFORMATION

CWA (Clean Water Act)	This product does not contain any substances regulated as pollutants pursuant to the Clean.
CERCLA	This material, as supplied, does not contain any substances regulated as hazardous.

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16 OTHER INFORMATION

This is the second edition of the safety data sheet with revised content and layout.

Micronbrane Medical provides the information contained herein in good faith being up to date of own realizations at revision time and is applicable to the product with regard to appropriate safety precautions. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. It does not represent any guarantee of the properties of the product.

Micronbrane Medical shall not be held liable for any damage resulting from handling or from contact with the above product.