

# Safety Data Sheet

Date of issue: 15.03.2023 (Second edition)

## 1 PRODUCT AND COMPANY IDENTIFICATION

<b>REF</b>	<b>NLK-01-008 ; NLK-01-048</b>
<b>Product Name</b>	<b>Unison™ Ultralow DNA NGS Library Preparation Kit</b>
<b>Component</b>	Transposase Mix 5x Reaction buffer 5x Stop buffer Amplification Mix
<b>Description</b>	<ul style="list-style-type: none"><li>- 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.</li><li>- This kit is for <b>Research Use Only</b>.</li></ul>
<b>Company</b>	Micronbrane Medical Co., Ltd
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## 2 HAZARD IDENTIFICATION

<b>OSHA Hazards</b>	No known OSHA hazards.
<b>HMIS Classification</b>	Health hazard: 0 Flammability: 0 Physical hazards: 0
<b>NFPA Rating</b>	Health hazard: 0 Fire: 0 Reactivity Hazard: 0
<b>Potential Health Effects</b>	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

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

## 5 FIRE-FIGHTING MEASURES

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

## 6 ACCIDENTAL RELEASE MEASURES

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

## 7 HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Provide appropriate exhaust ventilation at places where dust is formed.
<b>Conditions for safe storage</b>	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

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

Page 4/5

## 10 STABILITY AND REACTIVITY

<b>Chemical stability</b>	Stable under recommended storage conditions
<b>Possibility of hazardous reactions</b>	no data available
<b>Conditions to avoid</b>	Heating (decomposition)
<b>Materials to avoid</b>	Strong acids, Strong bases
<b>Hazardous decomposition products</b>	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

<b>Product</b>	Waste material must be disposed of in accordance with the national and local regulations.
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## 14 TRANSPORT INFORMATION

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

## 15 REGULATORY INFORMATION

<b>CWA (Clean Water Act)</b>	This product does not contain any substances regulated as pollutants pursuant to the Clean.
<b>CERCLA</b>	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.