

Safety Data Sheet

GEXSCOPE® Single Cell RNA Library Kit Cell

SDS SGR0026

Revision date 19-Apr-2023

Version 2.0

Section 1. Chemical Product & Company Information

Product name GEXSCOPE® Single Cell RNA Library Kit Cell

Product code 4180011、4180012

Manufacturer or supplier's details

Company name of supplier Singleron Biotechnologies Co., LTD
Address 5F, Building 06, Accelerator Phase II , No.11, Yaogu Avenue, Jiangbei New District, Nanjing
Telephone 025-58165529
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E-mail singleron@singleronbio.com

Relevant identified uses: For research use only.

Section 2. Hazards Identification

GHS Classification

Health hazards This product is not classified as hazardous goods, no hazard classification.
Physical hazards Not Hazardous
Environmental hazards Not Hazardous

Label elements

Signal Word None
Hazard pictograms None
Hazard pictograms names None
Hazard Statements None

Precautionary Statements

Prevention Not Applicable
Response Not Applicable
Storage Not Applicable
Disposal Not Applicable
Other hazards Not Applicable

Section 3. Composition/Information on Ingredients

Substance Mixtures
Composition This kit contains the following components
 Lysis Buffer, Stock
 RNase Inhibitor
 100 mM DTT

RT master Mix
 Reverse Transcriptase mix
 TS Primer
 Amplification Master Mix
 A primer Mix
 Amplification Enzyme
 Fragmentation Buffer
 Fragmentation Enzyme Mix
 1×TE
 Ligation Mix
 Ligation booster
 Adaptor
 Library Amp Mix v2
 Indexing Primer Mix 1
 Indexing Primer Mix 2
 Barcode Beads SD
 Wash Buffer A
 Wash Buffer B

Components

Chemical name	CAS-No.	Concentration (% w/w)
Magnesium Chloride	7786-30-3	1-5
Glycerin	56-81-5	50-70
Potassium Chloride	7447-40-7	1-5

We recommend handling all chemicals with caution.

Section 4. First Aid Measures

General advice	Move out of dangerous area. Take off contaminated clothing immediately. If you feel unwell, seek medical advice.
If inhaled	Move to fresh air. If symptoms persist, call a physician.
In case of skin contact	Rinse skin with water. Take off contaminated clothing immediately.
In case of eye contact	Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, seek medical advice.
If swallowed	Rinse mouth with water. If symptoms persist, call a physician.

Section 5. Fire Fighting Measures

Explosion hazard	The product is not flammable.
Extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards during fire fighting	None

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment.
Environmental precautions	Prevent product from entering drains.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Precautions for safe handling	Use personal protective equipment as required. Avoid
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Conditions for safe storage

inhalation, avoid contact with eyes, skin and clothing, wash thoroughly after handling.

Keep container tightly closed. Long-term storage at -20°C. Barcode Beads SD、Wash Buffer A and Wash Buffer B are storage at 2-8°C.

Specific end use(s)

For research use only.

Section 8. Exposure Controls/Personal Protection

Control parameters

Contains no substances with occupational exposure limit values.

Chemical name	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Glycerin	56-81-5	TWA (mist, respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (mist, total dust)	15 mg/m3	OSHA Z-1
		TWA (Mist - total dust)	10 mg/m3	OSHA P0
		TWA (Mist - respirable fraction)	5 mg/m3	OSHA P0

Exposure controls

Respiratory protection

Respiratory protection is not required with adequate ventilation. In case of insufficient ventilation wear respirators and components tested and approved under appropriate government.

Hand protection

Wear suitable protective gloves.

Eye protection

Tight sealing safety goggles.

Skin and Body Protection

Wear suitable protective clothing (long-sleeved lab coat).

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

No special environmental precautions required.

Section 9. Physical and Chemical Properties

Information on basic physical and chemical

This product is a kit containing a collection of vials. All components have the following physical properties.

Physical state	Liquid
Colour	Colorless
Odour	No data
pH	No data
Melting point/range	No data
Boiling point / boiling range	No data
Flash point	Does not flash
Evaporation rate	No data
Flammability (liquid)	The product is not flammable
Density	No data

Section 10. Stability and Reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under normal conditions. Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous reaction has not been reported.

Conditions to avoid

No information available

Section 11. Toxicological Information

Information on toxicological effects

There is no evidence available indicating acute toxicity.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Magnesium Chloride	= 2800 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Glycerin	= 12600 mg/kg (Rat)	> 10 g/kg(Rabbit)	>2.75mg/L(Rat)
Potassium Chloride	= 2600 mg/kg (Rat)	-	-

Principal Routes of Exposure

Acute toxicity	No information available
Skin corrosion/irritation	No information available
Serious eye damage/irritation	No information available
Respiratory or skin sensitisation	No information available
Carcinogenicity	No information available
Reproductive toxicity	No information available

Section 12. Ecological Information

Ecotoxicity

Components	Algae/aquatic plants	Fish	Microorganisms
Magnesium Chloride	EC50: >82.7mg/L (72h, Pseudokirchneriella subcapitata)	LC50: 1970 - 3880mg/L (96h, Pimephales promelas)	-
Glycerin	-	LC0 (Leuciscus idus (Golden orfe)): > 250 mg/l Exposure time: 48 h	-
Potassium Chloride	EC50: =2500mg/L (72h, Desmodesmus subspicatus)	LC50: =1060mg/L (96h, Lepomis macrochirus) LC50: 750 - 1020mg/L (96h, Pimephales promelas)	-

Toxicity	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
Mobility in soil	No information available
Persistence and degradability	No information available
Bioaccumulative potential	No information available
Other adverse effects	No information available

Section 13. Disposal Considerations

Waste treatment methods

This product is not allowed to be discharged directly into the sewer. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

Section 14. Transport Information

Not regulated as a dangerous good.No shipping restrictions.

Section 15. Regulatory Information

The toxicology of this product has not been investigated and is intended for testing and research purposes only.

International Inventories Not Applicable.

Chemical Name	US TSCA	Canada (DSL)	NDSL	AICS (Australia)
Glycerin	Listed	Listed	-	Listed

Chemical Name	ENCS (Japan)	IECSC - China Inventory of Existing Chemical Substances	NZIoC - New Zealand Inventory of Chemicals	EINECS (European Union)
Glycerin	Listed	Listed	Listed	Listed

Section 16. Other Information

The information in this safety data sheet is based on our current knowledge and experience, and only describes the safety requirements of the product. The information shall not be taken as being all inclusive and is to be used only as a guide. Information on the properties of the product for a particular purpose and the suitability of the product should not be taken from this Safety Data Sheet. The Company shall not be held liable for any damages or losses resulting from the handling or contact with the product as described herein.