

# Safety Data Sheet

Sample multiplexing kit

SDS SGR0067

Revision date 19-Apr-2023

Version 2.0

## Section 1. Chemical Product & Company Information

**Product name** Sample multiplexing kit

**Product code** 1050064、1050065

### 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

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**Emergency telephone** 025-58862080

**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

Labeling Solution

Clindex sample Index 1-16

Quencher Mix 1

Quencher Mix 2

2X HiFi PCR Mix

CLindex primer 1  
CLindex Enrichment Mix 1-4

## 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

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

### Section 5. Fire Fighting Measures

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

### Section 6. Accidental Release Measures

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

### Section 7. Handling and Storage

<b>Precautions for safe handling</b>	Use personal protective equipment as required. Avoid inhalation, avoid contact with eyes, skin and clothing, wash thoroughly after handling.
<b>Conditions for safe storage</b>	Keep container tightly closed. Long-term storage at -20°C.
<b>Specific end use(s)</b>	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)	5 mg/m <sup>3</sup>	OSHA Z-1

		fraction)		
		TWA (mist, total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Mist - total dust)	10 mg/m <sup>3</sup>	OSHA P0
		TWA (Mist - respirable fraction)	5 mg/m <sup>3</sup>	OSHA P0

### Exposure controls

<b>Respiratory protection</b>	Respiratory protection is not required with adequate ventilation. In case of insufficient ventilation wear respirators and components tested and approved under appropriate government.
<b>Hand protection</b>	Wear suitable protective gloves.
<b>Eye protection</b>	Tight sealing safety goggles.
<b>Skin and Body Protection</b>	Wear suitable protective clothing (long-sleeved lab coat).
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental exposure controls</b>	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.

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

## Section 10. Stability and Reactivity

<b>Reactivity</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical stability</b>	Stable under normal conditions. Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Hazardous reaction has not been reported.
<b>Conditions to avoid</b>	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

<b>Acute toxicity</b>	No information available
<b>Skin corrosion/irritation</b>	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)	-

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