

SAFETY DATA SHEET

SECTION 1. Identification of the substance/mixture and of the company

1. Product identifier

Product No: BP-18-96

Product Name: dsRNA Residual Quantitative Detection Kit 2.0

2. Recommended use of the chemical and restrictions on use

Relevant identified uses: For research use only.

Uses advised against: Not used for diagnostic procedures.

3. Details of the supplier of the safety data sheet

Zhuhai Biori Biotechnology Co.,Ltd

No, 88, Shui an 1st Road,Xiangzhou District, Zhuhai, Guangdong, China.

Hotline: +86-0756-8699969

SECTION 2. Hazard Identification

1. GHS (Globally Harmonized System) Classification.

TMBSsubstrate (Component K):

Eye Irritation 2

Skin Sensitization 1.

Stop Solution(Component L)::

Acute toxicity- Inhalation (Vapors)

Category 4

The others:

Not a hazardous substance or mixture according to GHS.

GHS label elements, including precautionary statements

Stop solution :

2. GHS Label Elements

Signal Word: WARNING

Hazard pictograms



3. Hazard Statements

H315: Causes skin irritation (TMB).

H319: Causes serious eye irritation (TMB).

H317: May cause an allergic skin reaction (TMB).

H314: Causes severe skin burns and eye damage (Stop Solution).

4. Precautionary Statements

P261: Avoid breathing mist/vapors.

P280: Wear protective gloves/eye protection.

P305+P351+P338:IF INE YES:Rinse cautiously with water.

P302+P352:IF ON SKIN:Wash with water.

P301+P330+P331:IF SWALLOWED:Rinse mouth. Do NOT induce vomiting.

P310:Immediately call a POISON CENTER.

The others:

Not a hazardous substance or mixture according to GHS.

5. Physical and chemical hazards:

Currently have information, no physical or chemical hazards.

6. Health hazard

Currently have information, no physical or Health hazard.

7. Environmental hazard

Currently have information, no physical or Environmental hazard.

SECTION 3. Composition/information on ingredients

The product contains no substances considered harmful to health at the given concentration.

Component	Weight(%)	CAS.NO.	
dsRNA Standard (Unmodified UTP, 3µg/mL)	dsRNA oligonucleotide	0.1-5	N/A
	Citric acid	1-10	77-92-9
	EDTA	0.01-0.1	6381-92-6
	H ₂ O	80-90	7732-18-5
dsRNA Standard (pUTP-modified, 3µg/mL)	pUTP-modified dsRNA oligonucleotide	0.1-5	N/A
	Citric acid	1-10	77-92-9
	EDTA	0.01-0.1	6381-92-6
	H ₂ O	80-90	7732-18-5
dsRNA Standard (N1-Me-pUTP-modified, 3µg/mL)	N1-Me-pUTP-modified dsRNA oligonucleotide	0.1-5	N/A
	Citric acid	1-10	77-92-9
	EDTA	0.01-0.1	6381-92-6
	H ₂ O	80-90	7732-18-5
Detection Antibody	HRP-conjugated antibody	50	N/A
	PBS buffer	50	N/A
Anti-dsRNA Antibody Precoated ELISA Plate	Anti-dsRNA monoclonal antibody	<1	N/A
	Polystyrene(microtiter strip)	>95	9003-53-6
	Coating buffer	<1	N/A
Concentrated Washing Buffer (20×)	PBS buffer	>80	N/A
	NaCl	10-20	7647-14-5
	Tween-20	1-5	9005-64-5
Sample Diluent	PBS buffer	>90	N/A
Antibody Diluent	PBS buffer	>90	N/A
	Tween-20	<0.05	9005-64-5
Chromogenic Solution	3,3',5,5'-Tetramethylbenzidine	<0.1	54827-17-7
	H ₂ O ₂	<0.05	7722-84-1
	Acetate buffer	>95	N/A
Stop Solution	Diluted Sulfuric Acid	0.1-2	7664-93-9
	H ₂ O	>98	7732-18-5

SECTION 4. First aid measures

1. Skin contact: Rinse cautiously with water for several minutes. No need urgent medical attention.
2. Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if available and accessible.
3. Ingestion: No significant ingestion hazard should be considered under conditions of normal use. Seek medical attention if feeling unwell.
4. Inhalation: No significant inhalation hazard should be considered under conditions of normal use. Consult a physician if necessary.
5. Most important symptoms and effects, both acute and delayed: Not applicable.
6. Instructions for physicians: symptomatic treatment.

SECTION 5. Fire-Fighting measures

1. Suitable extinguishing media: Carbon dioxide (CO₂), foam, dry chemical.
2. Unsuitable extinguishing media: No information available.
3. Special hazards arising from the substance or mixture: No information available.
4. Protective equipment and precautions for firefighters: Standard procedure for chemical fires.

SECTION 6. Accidental release measures

1. Personal precautions: Always wear recommended Personal Protective Equipment. Use personal protection equipment.
2. Methods for cleaning up: Absorb with inert absorbent material.
3. Environmental precautions: No special environmental precautions required. See Section 12 for more information.

SECTION 7. Handling and storage

1. Handling: Always wear recommended Personal Protective Equipment. Wear personal protective equipment.
2. Storage: Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.
3. Specific end use (s): For research use only.

SECTION 8. Exposure controls/personal protection

1. Exposure Limits: We are not aware of any national exposure limit.
2. Engineering measures: Ensure adequate ventilation, especially in confined areas.
3. Personal protective equipment: Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment of each laboratory that may use the material.
 - Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.
 - Hand Protection: Impervious gloves.
 - Eye protection: Safety glasses with side-shields. Skin and body protection: Lightweight protective clothing.
 - Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.
4. Environmental exposure controls: No special environmental precautions are required.

SECTION 9. Physical and chemical properties

Physical and chemical Properties	Information	Physical and chemical Properties	Information
Form	Liquid	Flammability(solid gas)	No Data
Appearance	No Data	Qxidising properties	No Data
Odour	No Data	Water solubility	No Data
Odour Threshold	No Data	Upper explosion limit	No Data
Boiling point / boiling range	No Data	Lower explosion limit	No Data
Melting point / melting range	No Data	Vapour Pressure	No Data
flash point	No Data	vapour density	No Data
Autoignition temperature	No Data	Viscosity	No Data
Evaporation rate	No Data	pH value	No Data

SECTION 10. Stability and reactivity

1. Chemical stability: Stable under normal conditions.
2. Reactivity: None known.
3. Possibility of hazardous reactions: Hazardous reaction has not been reported.
4. Conditions to avoid: No information available.
5. Incompatible materials: Strong acids. Strong oxidants.
6. Hazardous decomposition products: No data available

SECTION 11: Toxicological information

1. Acute toxicity: No toxicology information is available.
2. Principle Routes of exposure potential Health effects.
Eyes: May cause eye irritation in susceptible individuals.
Skin: May cause skin irritation in susceptible individuals.
Inhalation: May be harmful by inhalation.
Ingestion: May be harmful if swallowed.
Carcinogenic effects: None.
Mutagenic effects: None.
Reproductive toxicity: None.
Sensitization: None.

SECTION 12: Ecological information

1. Ecotoxicity: Contains no substances known to be hazardous to the environment or non-degradable in wastewater treatment plants.
2. Mobility: No information available.
3. Biodegradation: No information available.
4. Bioaccumulation: No information available.

SECTION 13: Disposal considerations

Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport information

IATA

- Proper Shipping Name: Not classified as dangerous according to shipping regulations.
Hazard Class: None.
Subsidiary class: None
Packing group: None.
UN-No: None.

SECTION 15: Regulatory information

1. International Inventories: No information available.
2. China: No information available.

SECTION 16: Other information

1. Indication of changes: GHS aligned.
2. Training instructions: Use as instructed.
3. Further information: The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. This SDS has been prepared for use with this product only.
4. Notice to readers: The information and recommendations in this safety data sheet should be regarded as a supplement to existing regulations and relevant information that should be known before. It is the responsibility of the users to determine the applicability of this information and the suitability of the material or product for any

particular purpose. The health and safety of employees while using this product should be taken responsibly by the employer. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

End of Safety Data Sheet