

SAFETY DATA SHEET

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

1. Product identifier

Product No: BR4C201-01,BR4C201-02,BR4C201-03

Product Name: BCA Protein Assay Kit

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

GHS (Globally Harmonized System) Classification.

1. Signal word: None.

2. Health hazards: Not classified.

3. Physical hazards: Not classified.

4. Hazard statements: Not applicable.

5. Precautionary Statements: Not applicable.

6. 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 if inhaled.

Ingestion: May be harmful if swallowed.

7. Specific effects

Carcinogenic effects: None.

Mutagenic effects: None.

Reproductive toxicity: None.

Sensitization: None.

SECTION 3. Composition/information on ingredients

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

CAS#	Chemical Name	Weight(%)	EINECS#
7758-99-8	Copper (II) sulfate pentahydrate (1:1:5)	1~5	616-477-9
7732-18-5	H ₂ O	Balance	231-791-2

SECTION 4. First aid measures

1. Skin contact: Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is not required.

2. Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.

3. Ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

4. Inhalation: Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
5. Notes to Physician: Treat symptomatically.
6. Most important symptoms and effects, both acute and delayed :Causes serious eye damage
7. Indication of any immediate medical attention and special treatment needed :IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

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: Should be stored at 5~30°C. Keep in properly labelled 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: Prevent product from entering drains. Do not allow material to contaminate ground water system.

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	Oxidising properties	No Data
Odour	Odourless	Water solubility	No Data
Odour Threshold	Tasteless	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	11.0~11.5

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: Causes serious eye damage
Skin: Data are conclusive but insufficient for classification
Inhalation: Data are conclusive but insufficient for classification
Ingestion: Data are conclusive but insufficient for classification
Carcinogenic effects: None.
Mutagenic effects: None.
Reproductive toxicity: None.
Sensitization: None.

SECTION 12: Ecological information

1. Ecotoxicity: Hazardous to the Aquatic Environment.
2. Mobility: No information available.
3. Biodegradation: No information available.
4. Bioaccumulation: No information available.

SECTION 13: Disposal considerations

Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with 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

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:

Chemical Name	US TSCA	Canada (DSL)	NDSL	PICCS (Philippines)
Copper (II) sulfate pentahydrate (1:1:5)	Listed	Listed	-	Listed
Chemical Name	ENCS (Japan)	IECSC - China Inventory of Existing Chemical Substances	South Korea (KECL)	AICS (Australia)

Copper (II) sulfate pentahydrate (1:1:5)	Listed	Listed	Listed	Listed
Chemical Name	NZIoC - New Zealand Inventory of Chemicals	EINECS (European Union)	ELINCS (European List of Notified Chemical Substances)	
Copper (II) sulfate pentahydrate (1:1:5)	Listed	Listed	Listed	

2. UN (United Nations) - Chemical Weapons Convention (CWC): Not Applicable

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