

ExCell Bio

OptiVibro® NK Cell Expansion Serum-free Kit Series

Material Safety Data Sheet



| SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Information

Product Name	Cat.#
OptiVibro® NK Cell Expansion Serum-free Medium P01	NE000-N012、NE000-N011、NE000-N011S
OptiVibro® NK Cell Expansion Serum-free Kit P01	NE000-N022、NE000-N021、NE000-N021S
OptiVibro® NK Cell Expansion Serum-free Basic Kit P01	NE000-N032、NE000-N031、NE000-N031S
OptiVibro® NK Cell Expansion Serum-free Medium NE01 (phenol red-free)	NE000-N042、NE000-N041、NE000-N041S
OptiVibro® NK Cell Expansion Serum-free Kit NE01 (phenol red-free)	NE000-N052、NE000-N051、NE000-N051S
OptiVibro® NK Cell Expansion Serum-free Basic Kit NE01 (phenol red-free)	NE000-N062、NE000-N061、NE000-N061S
NK Serum-free Medium NH01	NH000-N012
NK Serum-free Medium NH02	NH000-N022

Company Identification

1. Company: Suzhou ExCell Biotechnology Co., Ltd
2. Address: 66 Anjiang Road, Fuqiao Town, Taicang City, Suzhou City, Jiangsu Province, China
3. Postal code: 215434
4. Telephone: 0512-53830011
5. Fax: 0512-53830022

Use of The Substance

1. Uses advised: For laboratories and industrial production
2. Uses advised against: Acting directly on the human body

| SECTION 2: HAZARDS IDENTIFICATION

Hazard Category According to GHS

Non-hazardous substances, non-mixture.

Label Elements According to GHS

Non-hazardous substances, non-mixture.

Physical And Chemical Hazards

Current information is not physically or chemically dangerous.

Health Effects

Current information available, no health hazards.

Environmental Hazards

Current information available, no environmental hazards.

Other Hazards

No data available.

| SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product does not contain health hazardous substances at its given concentration. We recommend that all chemicals should be treated with caution.

| SECTION 4: FIRST AID MEASURES

Description of The Necessary First-Aid Measures

The Harm to Human Body	First Aid
Inhalation	This substance is intended to be used under normal conditions of use and does not present a danger of inhalation. If inhaled, seek medical attention immediately.
By skin contact	Wash off with plenty of water without immediate medical treatment.
By eye contact	Flush eyes with plenty of water. If wearing contact lenses, it is recommended to rinse after removal.
By ingestion/aspiration	This substance is intended to be used under normal conditions of use and does not present a danger of ingestion. If swallowed, seek medical attention immediately.

The Most Important Acute Or Late-Onset Symptoms And Health Effects

Not applicable.

Instructions And Instructions For Prompt Medical Treatment And Special Treatment Required

No data available.

Special Tips to The Doctor

No data available.

| SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media

1. Applicable extinguishing Media: Water, foam, carbon dioxide or dry chemical as suitable for surrounding materials;
2. Inappropriate extinguishing media: No restrictions on fire extinguishing agents are specified for this substance.

Particular Hazard Arising From This Substance or Mixture

The nature of this product is unknown after decomposition.

Fire Fighting Precautions And Protective Measures

1. Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA);
2. Avoid spillage of the products used to extinguish the fire into an aqueous medium. prevent contamination of surface and groundwater systems by firefighting water.

| SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment And Emergency Procedures

1. Ensure adequate ventilation;
2. Wear personal protective equipment;
3. For personal protection, see selection 8.

Environmental Precautions

Keep product away from drains.

Methods and Material for Containment And Cleaning Up

Absorb the spillage using inert absorbent.

Reference to Other Sections

For discard processing, see section 13.

| SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

For preventive measure, see section 2.

Storage

1. Storage conditions: cool, sealed, dry
2. Recommended storage temperature: 2-8 °C

| SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

There is no occupational exposure limits for the substances contained in the product.

Engineering Control

Ensure adequate ventilation, especially in confined areas.

Exposure Control

1. Appropriate technical control measures : Change clothes in time after they are contaminated. Wash your hands after using this substance;
2. Individual protective equipment:

To Protect	Protective Equipment
Eyes	Tight-sealing protective goggles
Skin and body	Wear appropriate protective clothing
Respiratory tract	In the case of insufficient ventilation, wear standard respiratory devices and components tested by government standards
Hands	Wear appropriate gloves which shall be resistant to appropriate chemical agents
Hygiene	According to good industrial hygiene and safety practices
Control of the environmental exposure	Non-applicable

| SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical And Chemical Properties

Item	Result
Physical state	Liquid
Oduor	No data available.
Oduor threshold	No data available.
pH	7.1-7.7
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash Point	No data available.
Evaporation Rate	No data available.
Flammability (solids, gas)	No data available.
Upper/lower flammability or explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Water solubility	No data available.

Item	Result
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

Other Security Information

No data available.

| SECTION 10: STABILITY AND REACTIVITY

Chemical Stability

This product is chemically stable under standard ambient conditions (room temperature).

Possibility of Hazardous Reactions

No data available.

Conditions to Avoid

No data available.

Incompatible Materials

No data available.

Hazardous Decomposition Products

See section 5 for details.

| SECTION 11 - TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Item	Result
Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Breathing or skin allergy	No data available
Germ-cell mutagenicity	No data available
Carcinogenicity	IARC: None of the components in this product containing a content greater than or equal to 0.1% were identified as a known or possible carcinogen by the IARC.

Item	Result
Toxicity to reproduction	No data available
Specific target organ system toxicity (primary contact)	No data available
Specific target organ system toxicity (repeated exposure)	No data available
Inhalation hazard	No data available

Additional Instructions

1. Registration of the toxic effects of chemical substances: Not available;
2. The nature of the hazard cannot be excluded, but it should not cause major hazards under the correct treatment.

| SECTION 12: ECOLOGICAL INFORMATION

Ecological Toxicity

Not available.

Persistence And Degradability

Not available.

Bioaccumulate Potential

Not available.

Mobility In Soil

Not available.

Results of PBT And vPvB Assessment

PBT / vPvB assessment is not available as chemical safety assessment is not required.

Other Adverse Effects

Not described.

| SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Give the remaining products and non-recyclable solution, containers to a licensed company for disposal.

| SECTION 14: TRANSPORT INFORMATION

UN Number		
ADR/RID:-	IMDG:-	IATA:-
UN Proper Shipping Name		
ADR/RID: Not dangerous goods	IMDG: Not dangerous goods	IATA: Not dangerous goods
Transport Hazard Class(Es)		

ADR/RID:-	IMDG:-	IATA:-
Packaging Group		
ADR/RID:-	IMDG:-	IATA:-
Environmental Hazards		
ADR/RID: no	IMDG Marine pollutant: no	IATA: no
Special Precautions For User		
no data available		
Incompatible Materials		
no data available		
Further Information		
This product is not classified as hazardous according to transportation regulations.		

| SECTION 15: REGULATORY INFORMATION

International Catalogue

No data available.

China

No data available.

| SECTION 16: OTHER INFORMATION

The above information is obtained after rigorous investigation, and suggestions are made after careful judgment. This information should be used as a guide but not be considered to summarize everything. All materials and mixtures may have unknown hazards and should be noted when used. Since the Company cannot control the actual method, quantity or condition of use, the Company shall not be liable for any injury or damage caused by handling or contacting the products described in this document. The information contained in this safety data sheet does not constitute an express or implied warranty, including any implied warranty of merchantability or fitness for any particular purpose.

END