SAFETY DATA SHEET

Cryopreserved Healthy Mouse Bone Marrow Cells

Version 1.0 SDS Number: 1004 Revision Date: 07/2024

Section 1: Identification

Product Identifier

Product Name	Cryopreserved Mouse Bone Marrow cells
Other common names	Mouse bone marrow aspirate
Product Number	IQB-MBM101, IQB-MBM102, IQB-MBM201, IQB-MBM202, IQB-MBM301, IQB-MBM302, IQB-MBM401, IQB-MBM402, IQB-MBM501, IQB-MBM502, IQB-MBM601, IQB-MBM602

Manufacturer or distributor details

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Recommended use

Scientific research and development.

Restrictions on use

For in-vitro research use only and not approved for human use in-vivo, diagnostic, nor clinical applications.

Section 2: Hazard(s) Identification

GHS Symbol: N/A

Signal Word: N/A

HMIS Rating: Health: 0 Flammability: 0 Reactivity:0

NFPA Rating: Health: 0 Flammability: 0 Reactivity:0

Health Hazards

For Biosafety Level 1 Cell Cultures

Handle as a potentially biohazardous material under at least Biosafety Level 1 containment. Regardless of results reported on the Certificate of Analysis Universal Precautions according to 29 CFR 1910.1030 should be followed at all times when manipulating these cells. The flushed femoral bone marrow cells are from normal, healthy

laboratory mice. Frozen cultures may contain 0-90% fetal bovine serum and 5-20% dimethylsufoxide (DMSO) CAS #67-68-5 as a cryoprotectant.

Route of Exposure

Eye Contact: Data not available.

Skin Contact: Data not available.

Skin Absorption: Data not available.

Inhalation: Data not available.

Ingestion: Data not available.

Parenteral Exposure: Data not available.

Section 3: Composition/information on ingredients

For Biosafety Level 1 Cell Cultures

Either frozen or growing cells shipped in liquid cell culture medium (a mixture of components that may include, but is not limited to: inorganic salts, vitamins, amino acids, carbohydrates and other nutrients dissolved in water). Frozen Cultures may also contain a 5%-10% solution of Dimethyl sulfoxide as a cryoprotectant.

This substance contains no ingredients at concentrations to be considered hazardous as defined by OSHA 29CFR 1910.1200 however this product should be handled according to good lab practices, with proper personal protective equipment, proper engineering controls and within the parameters of the purchaser's chemical hygiene plan.

Section 4: First-aid Measures

Report to your Safety Office and Seek Medical Attention as Soon as Possible

Ingestion: If person is unconscious seek emergency medical attention; never give anything by mouth to an unconscious person. If the person is conscious wash mouth out with copious amounts of water and call a physician. Do not induce vomiting unless directed to do so by a physician.

Inhalation: If person is unconscious seek emergency medical attention, if person is conscious remove to fresh air and call a physician.

Dermal exposure: Immediately wash skin with copious amounts of water followed by washing with soap and copious amounts of water. Remove all contaminated clothing.

Eye exposures: Flush eyes with copious amounts of water for at least 15 minutes with eyelids separated and call a physician.

Notes to Physician: Treat symptomatically and supportively.

Section 5: Fire-fighting Measures

General: Wear Self-Contained breathing apparatus in pressure demand, MSHA/NIOSH approved. During a fire,irritating and toxic gases may be generated by thermal decomposition.

Extinguishing Media: Water spray, carbon dioxide, dry chemical powder, Halon (where regulations permit), or appropriate foam.

Specific hazards during firefighting: No unusual fire or explosion hazards.

Autoignition Temperature: N/A

Explosion limits: N/A

Flash Point: N/A

Section 6: Accidental Release Measures

Use Personal Protective Equipment: Including Chemical Splash Goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Methods for Cleaning Up

Patient/Victim: Wash with soap and water. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Do not take clothing home.

Equipment/Environment: Allow aerosols to settle; wearing protective clothing, gently cover spill with paper towel and apply 1% sodium hypochlorite, starting at perimeter and working towards the center; allow sufficient contact time before cleanup (30 min). Note: The use of additional PPE may be necessary for cleaning solutions.

Section 7: Handling and Storage

Precautions for safe handling: Handle as if capable of transmitting a disease. Wash hands with soap and water after handling this material. Do not eat, drink, smoke, apply cosmetics, or handle contact lenses when working with this material. All procedures involving this product must be done in ways that minimize splashing, spraying, splattering, and generation of droplets of this substance.

Precautions for safe storage: Store appropriately in liquid nitrogen (vapor phase) upon arrival.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: The use and storage of this material requires user to maintain and make available appropriate eyewash and safety shower facilities. Use fume hood or other appropriate ventilation method to keep airborne concentrations a low as possible.

Personal Protective Equipment: Including Safety Glasses or goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Exposure Limits: No exposure limits for this material have been established by ACGIH, NIOSH, or OSHA. There are no Vacated OSHA PEL for this material.

Safety shower and eye bath. Mechanical exhaust required. No respiratory protection will be needed under normal Good Laboratory Practices operating conditions. Use supplied-air respiratory equipment as required by law. Compatible chemical resistant gloves should be the minimum hand protection. Chemical safety goggles/glasses should be the minimum eye protection. Wash hands and other exposed areas thoroughly with mild soap and water before eating, drinking and when leaving the laboratory. Wash contaminated clothing before reuse.

Section 9: Physical and Chemical Properties

Physical State: Frozen

Appearance: Clear to yellowish-brown liquid or clear to reddish liquid

No information is available for pH, Vapor Pressure, Vapor Density, Evaporation Rate, Viscosity, Boiling Point, Freezing/Melting Point, Decomposition Temperature, Solubility, Specific Gravity/Density, or Molecular Weight.

Section 10: Stability and Reactivity

Chemical stability: Stable

Possibility of hazardous reactions: No information available.

Conditions to avoid: No information available.

Incompatible materials: No information available.

Hazardous decomposition products: No information available.

Section 11: Toxicological Information

Toxicity Data: Data not available

Effects of Long Term or Repeated Exposure: Data not available

Chronic Exposure–Teratogen: Data not available

Chronic Exposure–Mutagen: Data not available

Chronic Exposure–Reproductive Hazard: Data not available

No Information was found in relation to: RTECS, LD50/LC50, Carcinogenicity, Epidemiology, Teratogenicity, Reproductive effects, Mutagenicity, or Neurotoxicology.

Note: The toxicological properties of this substance have not been fully investigated.:

Section 12: Ecological Information

No harmful effects have been documented.

Section 13: Disposal Considerations

Disposal should be made in accordance with existing procedures/protocols for disposal of infectious waste. Observe all Federal, State, and Local environmental regulations.

Section 14: Transport Information

Land Transport (ADR/RID): Not a dangerous good in sense of this transport regulation.

Inland Water ways transport (ADN): Not a dangerous good in sense of this transport regulation.

Sea Transport (IMDG): Not a dangerous good in sense of this transport regulation.

Air Transport (ICAQ-TP / IATA-DGR): Not a dangerous good in sense of this transport regulation

DOT Classification: Not a DOT controlled material (United States).

Section 15: Regulatory Information

This substance is not listed on the TSCA Inventory. It is for research and development use only.

This substance is not SARA listed.

US Federal Regulations: SARA 313: This product is not regulated by SARA CAA, Section 112, Hazardous Air Pollutants (HAPs) (40 CFR 61): This product does not contain HAPs.
US State Regulations: California Proposition 65: This product does not contain chemicals listed under Proposition 65..

Section 16: Other Information

Date of preparation/last revision: 03/2018

Disclaimer:

iQ Biosciences' products are "For In Vitro Research Use Only" and is not approved for human use in-vivo, diagnostic, nor clinical applications.

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. iQ Biosciences shall have no liability for any direct, indirect, consequential or incidental damages arising out of the use, the results of use, the inability to use, the handling or contact with this product.