1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Human Peripheral Blood Mononuclear Cells, cryopreserved (PBMC)

Catalog Number: PBMC01

Contact manufacturer:
DAPCEL, Inc.
11000 Cedar Ave., Suite 110
Cleveland, OH 44106-3069
Tel: (216) 215-3325 · info@dapcel.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance name: Human Peripheral Blood Mononuclear Cells (PBMC), cryopreserved in serum from the same donor with 5% DMSO.

The product is derived from human blood and contains DMSO. Handling human-derived products is potentially biohazardous and requires Biosafety Level 2. The specifications for each lot give donor information and negative test results for blood-borne pathogens; whatever those results, handle the product as potentially infectious.

3. HAZARDS IDENTIFICATION

Potential Health Effects

Biohazard: Handle as a potentially biohazardous material under Biosafety Level 2 containment. Human-derived cells may potentially be associated with human disease; hazards include percutaneous injury, ingestion and mucous membrane exposure (U.S. Government publication Biosafety in Microbiological and Biomedical Laboratories). Regardless of the results reported on the certificate of analysis, follow Universal Precautions according to 29 CFR 1910.1030 at all times.

Eyes: May cause eye irritation.

Skin: May cause skin irritation.

Inhalation: No information available.

Ingestion: No information available.

HMIS: Health: 1 Flammability: 0 Reactivity: 0

HMIS Legend

0 - Minimal Hazard

1 - Slight Hazard

2 - Moderate Hazard

3 - Serious Hazard

4 - Severe Hazard

* - Chronic Hazard

4. FIRST AID MEASURES

General:	Report any exposure to the safety office and seek medical attention as soon as possible.
Skin contact:	Wash off immediately with plenty of water.
Eye contact:	Rinse thoroughly with plenty of water, also under the eyelids.
Ingestion:	Rinse mouth with water. Never give anything by mouth to an unconscious person.
Inhalation:	Move to fresh air.
Notes to physician:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Fire-fighting equipment:	Not applicable - nonflammable material.
Precautions:	Not applicable - nonflammable material.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use eye protection, gloves and a lab coat.
Measures for cleaning:	Remove, place in a bag and dispose of contaminated material as biohazardous waste. Decontaminate spills with an appropriate disinfectant.

7. HANDLING AND STORAGE

Clean up:	Soak up with inert absorbent material.
Handling:	Handle under Biosafety Level 2 containment, according to the instructions on the product data sheet.
Storage:	Shipped on dry ice. Store at −80 °C for 3 weeks or less; for long-term storage, liquid nitrogen (vapour phase).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eyes:	Safety glasses.
Skin:	Wear lightweight protective clothing and gloves.
Inhalation:	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.
Engineering controls:	Safety shower and eye bath. Mechanical exhaust required.
Exposure guidelines:	Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form:	Frozen cell suspension in autologous serum containing 5% DMSO.
pH:	No data available.
Boiling point:	No data available.
Melting point:	No data available.
Solubility:	No data available.
Volatile %:	No data available.
Water content:	No data available.
Decomposition temp.:	No data available.
Viscosity:	No data available.

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.
Materials to avoid: Strong oxidizing agents.
Hazardous decomposition: No information available.
Polymerization: Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Eyes: May cause eye irritation.
Skin: May cause skin irritation.
Inhalation: May be harmful if inhaled.
Ingestion: May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

13. DISPOSAL CONSIDERATIONS

Dispose of contaminated material as biohazardous waste, in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

IATA: Non-hazardous for air transport.

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 313: Not regulated.

U.S. inventory (TSCA): Not listed on inventory.

OSHA Hazard Communication Standard: Human-derived material - handle as potentially biohazardous. Observe Universal Precautions and the bloodborne pathogens standard (29 CFR 1910.1030); Biosafety Level 2 containment is required.

16. OTHER INFORMATION

Disclaimer: For R&D use only.

Issued: 2026

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