

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER**Product Names (Catalog Numbers):**

Human Peripheral Blood Mononuclear Cells, AccuCell® (90000 Series, 80000 Series, 70000 Series)
Human Primary Cell Subsets, AccuCell® (84000 Series)
Human Cord Blood Mononuclear Cells, AccuCell® (85000 Series)
Custom Human Cellular Products (variable)

Recommended Uses:

Precision cellular products may be used for Cell based assays, immunophenotyping, immunogenicity assays, cell proliferation assays, cell differentiation assays, phospho-protein analysis, flow cytometry based assays, standardization and validation assays, and immune monitoring assays.

Precision for Medicine

8425 Progress Drive
Frederick, MD 21701
Telephone: (240) 306-4100
Fax: (301) 668-3416

EMERGENCY CONTACT:

(240) 306-4100

24 hour Chemtel contact phone number:

1-800-255-3924
01-813-248-0585

SECTION 2: HAZARDS IDENTIFICATION**Potentially Hazardous Material.****Potentially Acute Health Effects:**

May be harmful if absorbed through the skin. Substance may cause slight skin and eye irritation. May be harmful if inhaled. If inhaled may cause irritation of the respiratory tract. May be harmful if swallowed. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. Wear suitable protective clothing (lab coat, gloves, and safety goggles).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS SUBSTANCE**Mixture:**

<u>CAS#</u>	<u>Component</u>	<u>Percentage</u>
67-68-5	Dimethyl Sulfoxide (DMSO)	7.5-10
Non-hazardous Ingredients	NA	~90-92.5

SECTION 4: FIRST AID MEASURES

Eyes: In case of contact, immediately flush eyes with a large amount of water for at least 15 minutes while holding the eyelids open to assure that the entire surface is flushed. Seek medical attention.

Skin: In case of contact, immediately wash the contact area thoroughly with soap and a large amount of water. Seek medical attention.

Inhalation: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: Avoid swallowing the material. Never give anything by mouth to an unconscious or convulsing person. If conscious, rinse mouth with water. Seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: This product may be combustible (contains DMSO). Use dry chemical, water spray, or regular foam for the surrounding fire.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent exposure to eyes and skin.

Unusual Fire and Explosion hazards: Hazardous decomposition products such as carbon oxides and sulfur oxides formed under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment to avoid exposure.

Promptly clean up all spills. Contain the spill. Absorb the spill using absorbent materials and decontaminate the spill with a bleach solution (10%) or other germicidal agent. Dispose of all cleanup materials in accordance with disposal practices for infectious waste at your institution (local, state, and federal regulations may apply). Wash the spill area after material pick up is complete.

SECTION 7: HANDLING AND STORAGE

Handle this material as if capable of transmitting infectious agents. Observe routine biosafety precautions in handling. Use of personal protection to include, but not limited to, laboratory coat or gown, gloves, and eye safety goggles is strongly recommended. Keep away from heat and sources of ignition.

Wash hands thoroughly after handling.
Store as labeled.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Laboratory coat or gown, gloves, safety goggles
Emergency shower and eye wash
Avoid contact with eyes, skin, and clothing
Wash thoroughly after handling
Biosafety Level 2 precautions

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: Orange to pink colored liquid, slight odor.
Solubility: Completely miscible with water
Boiling point: >100 °C
Freezing point: <0 °C

SECTION 10: STABILITY & REACTIVITY

Stability: This material is stable under normal temperatures and pressures, is non-corrosive, and polymerization will not occur. This material is incompatible with strong oxidizing agents, strong acids, strong bases, and acid chlorides.

Conditions to avoid: Avoid excess heat

SECTION 11: TOXICOLOGICAL INFORMATION

Potentially Biohazardous Material: Harmful if swallowed or absorbed through skin. No toxicological studies are available on this product mixture.

SECTION 12: ECOLOGICAL INFORMATION

Components of this product (DMSO) have been identified as having potential environmental concerns. No ecological studies are available on this product mixture.

SECTION 13: DISPOSAL CONSIDERATIONS**Product**

Decontamination of excess material using bleach solution (10%) is recommended. Waste handling requirements are dependent upon local ordinances and therefore it is recommended that the community standards as well as state and local regulations be consulted regarding the proper disposal of potentially infectious material.

SECTION 14: TRANSPORT INFORMATION**U.S. DOT HAZARD CLASSIFICATION**

Proper Shipping Name: Biological Substance, Category B

UN Number: UN3373

Hazard Class/Packing Group: Hazard Class: 6.2 / Packaging Group: NA

Labels Required: In accordance with 49 CFR, subchapter 173.196

DOT Packaging Requirements: Not Applicable

Exceptions: 49 CFR, subchapter 173.134

IATA/ICAO AIR TRANSPORTATION

Proper Shipping Name: Biological Substance, Category B

UN Number: UN3373

Hazard Class/Packing Group: Hazard Class: 6.2 / Packaging Group: NA

Labels Required: In accordance with section 7 IATA Dangerous Goods Regulations

IATA Packaging Requirements: In accordance with Packing Instructions 650, IATA Dangerous Goods Regulations

SECTION 15: REGULATORY INFORMATION**Dimethyl Sulfoxide:**

OSHA Hazards: Combustible Liquid, Target Organ Effect

SARA 311/312 Hazards: Fire Hazard, Chronic Health Hazard

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

The above information is believed to be accurate, complete and current but does not purport to be all inclusive and shall be used as a guide. Precision for Medicine makes no representation or warranties with respect to the product described herein, including but not limited to any implied warranties or merchantability or fitness for a particular use. Precision assumes no liability or responsibility and authorizes no other person to assume any additional liability or responsibility as a result of the use of this product or the information contained in the Material Safety Data Sheet.



8425 Progress Drive | Frederick, MD 21701 | Tel 855.222.5010 | Fax 301.668.3416
www.buypbmcs.com | bioservices@precisionformedicine.com