



Material Safety Data Sheet Date Updated: 1/21/2022

### 1. Product and Company Information

**Product Name:** CRYOPRESERVED OR FRESH HUMAN PERIPHERAL BLOOD MONONUCLEAR CELLS (PBMC).  
**Reference #** OS-103-01  
**Company** Obatala Sciences, Inc 2000 Lakeshore Dr., #4020  
New Orleans, LA 70148  
Emergency Phone Toll free (504) 300-0266

### 2. Composition/Information on Ingredients

Peripheral blood mononuclear cells, serum, and plasma are isolated from the blood of consented adult donors. Frozen cultures may contain fetal bovine serum and dimethylsulfoxide (DMSO). Human serum is isolated from the blood of consented adult donors.

### 3. Hazards Identification

Each tissue donor has been recruited specifically by his/her attending physician/surgeon based on past medical history and the absence of any record or data indicating any evidence of viral or other infectious disease process. Blood derived samples were collected and screened for blood pathogens following the AABB standards. However, there are no tests available that can completely assure that viruses such as HIV-1, HIV-2, HTLV I, HTLV II, hepatitis B, hepatitis C, or as yet to be described disease causing agents are not present in a given sample. Therefore, investigators must exercise proper precautions and biological containment when working with any cells or products of human origin. All human based products should be handled at a BSL-2 (Biosafety Level 2) or higher.

Frozen cultures may contain 5-20% DMSO and/or 0-90% fetal bovine serum (FBS). Fetal bovine serum is considered non-hazardous per 21 CFR 1910.1200. Since workers differ in sensitivity to animal derived materials, Obatala® recommends that Good Laboratory Practices (GLP) be exercised when using these products, including the use of gloves, eye protection, and a lab coat.

### 4. First Aid Measures

If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### 5. Fire Fighting Measures

No unusual fire or explosion hazards.

#### **6. Accidental Release**

Contain the spill immediately and decontaminate using a strong solution of sodium hypochlorite (bleach). Volume of bleach should not be less than 10% of the spill volume. Allow at least 10 minutes for neutralization. Absorb spill using suitable absorbent materials.

#### **7. Handling and Storage**

Store appropriately in liquid nitrogen upon arrival. Storage pressure: Ambient Handling: Keep tightly closed when not in use. Storage procedures: Suitable for most general chemical storage areas.

#### **8. Exposure Controls/Personal Protective Equipment**

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 and drinking and when leaving the laboratory. Wash contaminated clothing before reuse.

#### **9. Physical and Chemical Properties**

Physical state is clear to yellowish-brown liquid or clear to reddish liquid.

#### **10. Stability and Reactivity**

Stable.

#### **11. Toxicological Information**

Not applicable.

#### **12. Ecological Information**

Data not yet available.

#### **13. Disposal Consideration**

Observe all federal, state, and local environmental regulations.

#### **14. Transport Information**

US DOT Hazard Classification / IATA AIR TRANSPORTATION

Proper shipping name: Biological Substance, Category B UN Number: UN3373 Hazard Class: Class 6.2 DOT

Packaging requirements: Not applicable

#### **15. Regulatory Information OSHA**

Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119.

## 16. Other Information

**Disclaimer:** All products are provided solely for research purposes and have not been produced in accordance with current Good Manufacturing Practices. Thus, any use of Obatala® products for clinical purposes and/or other administration to human subjects is unsafe, unwarranted, and unauthorized by the vendor.

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