

## CD1 Mouse Bone Marrow Monocytes

Catalog No. CD-1271

### Suggested Medium

M3366 Complete Leukocyte Medium w/ Kit (500 ml)

### Product Description

CD1 Mouse Bone Marrow Monocytes from Cell Biologics are isolated from tibias and femurs of pathogen-free laboratory CD1 mice. Cells at passage 0 are cryo-preserved at a density of  $5 \times 10^6$  cells/mL per vial. Mouse Bone Marrow Monocytes can be used for designed experiments under the cell culture conditions specified by Cell Biologics. These cells do not proliferate in culture and cannot be passaged.

### Storage

Cryopreserved cells will be shipped overnight on dry ice. Upon arrival, please immediately transfer the frozen cells to liquid nitrogen ( $-180^{\circ}\text{C}$ ) until ready for use. Suspension cells can be shipped in 50 ml conical tubes upon request. Primary cells should never be stored at  $-20^{\circ}\text{C}$  or  $-80^{\circ}\text{C}$ .

### Authorized Uses of Cell Biologics' Products

CD1 Mouse Bone Marrow Monocytes from Cell Biologics are distributed for research purposes only. Our products are not authorized for human use, for in vitro diagnostic or therapeutic procedures. Transfer or resale of any Cell Biologics' cells or products from the purchaser to other markets, organizations or individuals is prohibited by Cell Biologics without the company's written consent. Cell Biologics' Terms and Conditions must be accepted before submitting an order.

### Disclaimer

Investigators should handle the cells with caution and treat all animal cells as potential pathogens, since no test procedure can completely guarantee the absence of infectious agents.

### Warranty and Liability

Cell Biologics' guarantee applies only to your purchase of Cell Biologics' Cells with Cell Biologics' Media and Coating Solution for appropriate cell culture and cell testing following Cell Biologics' online protocols within 35 days from the date of product delivery.

## Primary Cell Culture Protocol

All cell culture procedures must be performed in a biosafety cabinet.  
All culture media, supplements, and reagents must be sterile filtered through a 0.2 µm filter.  
Use aseptic technique to prevent microbial contamination.  
Cryopreserved cells must be stored in liquid nitrogen or plated immediately upon arrival.

### Medium

Use pre-warmed (37°C) cell culture media of Catalog No. M3366 (30-50 ML) to recover cryopreserved cells and replace the medium.

### Cell recovery from cryovial

- Thaw cells quickly by placing the cryovial in a 37°C water bath for less than 1 minute, until only a small amount of ice remains in the cryovial.
- Immediately remove the cryovial and wipe it with 70% ethanol.
- Transfer the cells from the cryovial to a sterile centrifuge tube. Add 8-10 ml of pre-warmed Cell Biologics cell culture medium.
- Rinse the cryovial with an additional 0.5-1 ml of culture medium, ensuring that the cells are completely transferred to the centrifuge tube.
- Centrifuge the cells at 200 x g for 5 minutes.
- Aspirate the supernatant and resuspend the cell pellet in Cell Biologics cell culture medium.
- Proceed with the planned experiment.