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Product Information Sheet – Mouse Embryonic Fibroblasts

Description: Each vial of cells contains approximately 7.5×10^6 P1 mouse embryonic fibroblasts (MEFs), stored frozen in 1mL cryopreservation solution (80% DMEM, 10% FBS, 10% DMSO). The MEFs were isolated by homogenization of d13.5 C57BL/6 embryos after removal of the red organs.

Storage: For short term storage (1-2 weeks), -80°C is suitable. For long term storage, store in liquid nitrogen. Long term storage at -80°C may result in a loss of viability.

Recovering your cells from Cryopreservation: Place the frozen vial of cells in a 37°C water bath until contents are just thawed (2-3 minutes). Sanitize the vial by spraying with 70% ethanol, and quickly transfer the contents of the vial to a tube containing 3mL pre-warmed MEF media (DMEM + 10% FBS, 1x PenStrep), and centrifuge at 300g for 3 minutes. Aspirate the media, taking care not to disturb the cell pellet which, and resuspend the pellet in feeder media.

Plating Recommendation: MEFs should be plated to gelatinized tissue culture plates and allowed to attach in a 37°C , 5% CO_2 incubator. Each vial of MEFs should reach confluence within 48 hours of being plated to a 150mm tissue culture dish. Confluent plates of MEFs should be split 1:3 – 1:5 every 2-3 days. MEFs at earlier passages will reach confluence faster than MEFs at later passages.

Price: \$50 per vial.