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**Mouse Tumor-Associated Fibroblasts (Mouse Breast Cancer Origin)**

Catalog No. MC-6071m

**Suggested Medium**

M2267 Complete Fibroblast Medium w/ Kit – 500 ml

**Product Description**

Mouse Tumor-Associated Fibroblasts (Mouse Breast Cancer Origin, 4T1) from Cell Biologics were isolated from the pathogen-free laboratory nude mice. Mouse breast adenocarcinoma cells (4T1) were subcutaneously injected into the nude mice for 4-6 weeks and the tumor tissues were then harvested for cell culture. Cells were cultured in a T25 tissue culture flasks pre-coated with gelatin-based coating solution for 2 min and incubated in Cell Biologics' Culture Complete Growth Medium generally for 14-35 days. Cells at passage 3 are cryo-preserved and each vial contains  $0.5 \times 10^6$  cells per ml. These cells are spindle-shaped and characterized by immunofluorescence with anti-fibronectin antibodies. The cells are negative for bacteria, yeast, fungi, and mycoplasma and can be expanded for 3-5 passages at a split ratio of 1:2 under the cell culture conditions specified by Cell Biologics. Repeated freezing and thawing of cells are not recommended.

**Laboratory Applications**

The cells can be used in assays of cell-cell adhesion, migration, vascular tube formation, or transendothelial resistance (TER). Standard biochemical procedures performed with endothelial cell cultures include RT-PCR, Western blotting, immunoprecipitation, immunofluorescent staining, immunofluorescence flow cytometry or generating cell derivatives for desired research applications.

**Storage**

Cryopreserved cells are shipped with dry ice overnight. Upon arrival, transfer frozen cells to liquid nitrogen ( $-180^{\circ}\text{C}$ ) immediately until ready for use. Live cell shipment is also available on request. Primary cells can never be kept at  $-20^{\circ}\text{C}$  or  $-80^{\circ}\text{C}$  freezer.

**Authorized Uses of Cell Biologics' Products**

The cells 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.