

# Mouse Esophageal Fibroblasts

Cat. No. ARP0462,  $5 \times 10^5$  cells/vial

## Description

Research on the Mouse Esophageal Fibroblasts is essential to the study of esophageal squamous cell carcinoma, esophageal stricture formation, systemic sclerosis-associated esophageal dysmotility, and radiation-induced esophageal fibrosis. The esophagus is a muscular tube that connects the throat (pharynx) to the stomach. It uses rhythmic muscular contractions called peristalsis to transport food from the mouth to the stomach. It is divided into cervical, thoracic, and abdominal sections. The Mouse Esophageal Fibroblasts are to be used with Mouse Esophageal Fibroblast Medium (Cat. No. ACM0462). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

## Specification

Cell Type: Fibroblasts

Tissue/Organ: Esophagus

Disease: Normal

Species: *Mus musculus* (Mouse)

Genetic Background: N/A

Markers: Fibronectin, Vimentin

Symbols: MEF

## Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN<sub>2</sub>) cryopreservation.

## Intended Use

This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.



## Culturing Guidance

Morphology: Elongated fusiform, Irregular

Growth Mode: Adherent

Temperature: 37°C

Atmosphere: 5% CO<sub>2</sub>

## Unpacking and Storage Instructions

1. Visually inspect all packaging components for integrity and verify adequate dry ice.  
If any damage is observed, notify Ascent Technical Support immediately.
2. Prioritize transfer to liquid nitrogen vapor phase storage system (-130°C or below).  
Secondary option: -80°C mechanical freezer (short-term storage only).  
Always maintain temperature strictly below -65°C.

## Disclaimer

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