

# Rat Meniscus Fibrochondrocytes

Cat. No. ARP0340,  $5 \times 10^5$  cells/vial

## Description

Research on the Rat Meniscus Fibrochondrocytes is essential to the study of meniscal tear models, post-meniscectomy degeneration, meniscal extrusion studies, and osteoarthritis progression research. A joint is the structure that connects two or more bones. It is composed of bones, cartilage, synovial fluid, ligaments, and other components. Its primary functions are to provide structural support, cushion mechanical stress, and allow flexible movement. The Rat Meniscus Fibrochondrocytes are to be used with Rat Meniscus FibroChondrocyte Medium (Cat. No. ACM0340). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

## Specification

Cell Type: N/A

Tissue/Organ: Joint

Disease: N/A

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: Collagen II

Symbols: RMF

## Shipping & Storage

Shipping condition: Frozen on dry ice.

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

## Intended Use

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## Culturing Guidance

Morphology: 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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This document was last updated on June 20, 2025.