

Rat Chondrocytes

Cat. No. ARP0314, 5×10^5 cells/vial

Description

Research on the Rat Chondrocytes is essential to the study of surgical osteoarthritis models, post-traumatic arthritis studies, inflammatory arthritis research, and growth plate disorder investigations. 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 Chondrocytes are to be used with Rat Chondrocyte Medium (Cat. No. ACM0314). 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: RC

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.

Intended Use

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Culturing Guidance

Morphology: Elongated fusiform, Irregular

Growth Mode: Adherent

Temperature: 37°C

Atmosphere: 5% CO₂

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

Ascent Research endeavors to provide accurate and up-to-date product information. However, no warranties or representations are made regarding its completeness or reliability. References to scientific literature and patents are for informational purposes only, and the customer assumes sole responsibility for verifying their accuracy.

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