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Rat Auricular Chondrocytes

Cat. No. ARP0335, 5×10⁵ cells/vial

Description

Research on the Rat Auricular Chondrocytes is essential to the study of cartilage repair studies, microtia reconstruction models, polychondritis research, traumatic ear deformity investigations, and engineered cartilage transplantation experiments. The ear is the organ responsible for hearing and balance. It has three parts: the outer ear, the middle ear, and the inner ear. These parts work together to convert sound waves into nerve impulses, which are then transmitted to the brain, where they are interpreted as sound. The inner ear also plays a key role in maintaining balance through the vestibular system. The Rat Auricular Chondrocytes are to be used with Rat Auricular Chondrocyte Medium (Cat. No. ACM0335). 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: Ear

Disease: N/A

Species: Rattus norvegicus (Rat)

Genetic Background: N/A

Markers: Collagen II

Symbols: RAC

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN_2) 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: Fusiform, Irregular

Growth Mode: Adherent

Temperature: 37°C

Atmosphere: 5% CO_2

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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