

Rat Epididymal Epithelial Cells

Cat. No. ARP0303, 5×10^5 cells/vial

Description

Research on the Rat Epididymal Epithelial Cells is essential to the study of epididymitis, obstructive azoospermia, post-vasectomy complications, and androgen deprivation effects. The epididymis is a long, coiled tube that connects the testis to the vas deferens. It lies adjacent to the testis and is primarily responsible for the storage, maturation, and transport of sperm in the male reproductive system. After being produced in the testes, sperm undergo further maturation and gain motility in the epididymis, which secretes fluid to provide nutritional and biochemical support for sperm. Abnormalities of the epididymis, such as inflammation or tuberculosis, may lead to pain, swelling, or infertility. The Rat Epididymal Epithelial Cells are to be used with Rat Epididymal Epithelial Cell Medium (Cat. No. ACM0303). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

Specification

Cell Type: Epithelial Cells

Tissue/Organ: Epididymis

Disease: Normal

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: Cytokeratin

Symbols: REEC

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.

Intended Use

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Culturing Guidance

Morphology: Cobblestone-like, Polygonal

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

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