

Rat Prostate Epithelial Cells

Cat. No. ARP0258, 5×10^5 cells/vial

Description

Research on the Rat Prostate Epithelial Cells is essential to the study of prostate cancer, benign prostatic hyperplasia (BPH), prostate adenocarcinoma, prostatic intraepithelial neoplasia (PIN), and chronic prostatitis. The prostate is a gland of the male reproductive system, composed of both muscle and gland tissue. It is located below the bladder, in front of the rectum, and surrounding the urethra. The gland tissue of the prostate releases additional fluid to help nourish sperm cells and lubricate the urethra. While the muscle drives a mechanical switch between urination and ejaculation. The Rat Prostate Epithelial Cells are to be used with Rat Prostate Epithelial Cell Medium (Cat. No. ACM0258). 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: Prostate

Disease: Normal

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: Cytokeratin

Symbols: RPEC

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, 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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