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Rat Bladder Epithelial Cells

Cat. No. ARP0255, 5×10^5 cells/vial

Description

Research on the Rat Bladder Epithelial Cells is essential to the study of urothelial hyperplasia models, chemical-induced carcinogenesis studies, urinary tract infection research, and bladder barrier function investigations. The bladder is a sac-like organ located in the lesser pelvis, composed of a smooth muscle layer, a mucosal layer, and an outer membrane. It primarily acts as a reservoir for urine, temporarily storing urine produced by the kidneys and expelling it from the body through regular contractions. The health of the bladder is closely linked to the proper functioning of the urinary system. The Rat Bladder Epithelial Cells are to be used with Rat Bladder Epithelial Cell Medium (Cat. No. ACM0255). 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: Urinary bladder
Disease: Normal
Species: Rattus norvegicus (Rat)
Genetic Background: N/A
Markers: Cytokeratin
Symbols: RBEC

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: Cobblestone-like, 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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