

Rat Nasal Mucosal Epithelial Cells

Cat. No. ARP0407, 5×10^5 cells/vial

Description

Research on the Rat Nasal Mucosal Epithelial Cells is essential to the study of allergic rhinitis, nasal polyposis, atrophic rhinitis, and olfactory dysfunction. The nasal mucosa is a type of moist tissue that consists of epithelial cells, a mucus layer, capillaries, and glands. It lines the inner walls of the nasal cavity and functions to warm and humidify the air, filter particles, provide immune defense, and support the sense of smell. The nasal mucosa is important as the first line of defense in the respiratory system to prevent pathogens and irritants. The health status of the nasal mucosa directly affects breathing comfort and the nasal cavity's ability to protect against harmful agents. The Rat Nasal Mucosal Epithelial Cells are to be used with Rat Nasal Mucosal Epithelial Cell Medium (Cat. No. ACM0407). 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: Nose (mucosa)

Disease: Normal

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: Cytokeratin 19 (CK-19)

Symbols: RNMEC

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

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