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Human Retinal Pigment Epithelial Cells

Cat. No. ARP0115, 5×10^5 cells/vial

Description

Research on the Human Retinal Pigment Epithelial Cells is essential to the study of proliferative retinopathy, age-related macular degeneration (AMD), retinitis pigmentosa, Stargardt disease, diabetic retinopathy, and retinal detachment. The eye is a complex sensory organ that allows an organism to perceive visual information. It is composed of the eyeball and its accessory structures. The eyeball is the main visual organ, responsible for image formation and phototransduction. The accessory parts include the eyelids, conjunctiva, lacrimal apparatus, extraocular muscles, and the connective tissue within the orbit, which together protect and enable movement of the eyeball. The Human Retinal Pigment Epithelial Cells are to be used with Human Retinal Pigment Epithelial Cell Medium (Cat. No. ACM0115). 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: Eye (retina)

Disease: N/A

Species: Homo sapiens (Human)

Genetic Background: N/A

Markers: Cytokeratin 18, Cytokeratin 19

Symbols: HRPEC

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: Epithelial-like

Growth Mode: N/A

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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