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Human Dural Fibroblasts

Cat. No. ARP0094, 5×10^5 cells/vial

Description

Research on the Human Dural Fibroblasts is essential to the study of subdermal hematomas, headache pathophysiologypost-dural puncture headaches, chronic subdural hematoma fibrosis, meningeal fibrosis (post-surgical/infectious), idiopathic intracranial hypertension, and dural ectasia in connective tissue disorders (e.g., Marfan syndrome). The meninges are three layers of protective membranes that surround the brain and spinal cord. From outermost to innermost, they are the dura mater, arachnoid mater, and pia mater. The meninges act as a barrier between the central nervous system and the surrounding bones, providing structural support, cushioning against external impacts, maintaining cerebrospinal fluid circulation, and contributing to the formation of the blood-brain barrier. The Human Dural Fibroblasts are to be used with Human Dural Fibroblast Medium (Cat. No. ACM0094). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

Specification

Cell Type: Fibroblasts

Tissue/Organ: Meninges

Disease: N/A

Species: Homo sapiens (Human)

Genetic Background: N/A

Markers: Fibronectin

Symbols: HDF

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: Fibroblast-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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