www.ascentresearch.com
+1-202-949-4794
info@ascentresearch.com

Mouse Cerebral Arterial Smooth Muscle Cells

Cat. No. ARP0616, 5×10⁵ cells/vial

Description

Research on the Mouse Cerebral Arterial Smooth Muscle Cells is essential to the study of vascular dementia, intracranial aneurysm, Moyamoya disease, and reversible cerebral vasoconstriction syndrome. The brain is the main component of the central nervous system (CNS) and is located within the cranial cavity. It consists of several major parts: the cerebrum, diencephalon, cerebellum, and brainstem. The brain is responsible for processing information, regulating bodily functions, and enabling cognition, emotions, and behavior. Together with the spinal cord, the brain forms the central nervous system. The Mouse Cerebral Arterial Smooth Muscle Cells are to be used with Mouse Cerebral Arterial Smooth Muscle Cell Medium (Cat. No. ACM0616). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

Specification

Cell Type: Muscle Cells

Tissue/Organ: Brain

Disease: Normal

Species: Mus musculus (Mouse)

Genetic Background: N/A

Markers: α-Smooth Muscle Actin (α-SMA)

Symbols: MCASMC

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: Elongated fusiform or 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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