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Rat Fallopian Tube Smooth Muscle Cells

Cat. No. ARP0291, 5×10^5 cells/vial

Description

Research on the Rat Fallopian Tube Smooth Muscle Cells is essential to the study of tubal motility disorders, post-inflammatory tubal dysfunction, ovum transport impairment, and adenomyosis-related tubal spasm. The fallopian tubes are paired ducts that connect the ovaries to the uterus. Their primary function includes transporting oocytes, providing the site for fertilization, and delivering the zygote to the uterus for implantation. Obstruction or dysfunction of the fallopian tube can lead to infertility or an ectopic pregnancy. Additionally, the fallopian tubes are a common target for surgical sterilization procedures, such as tubal ligation, to prevent pregnancy. The Rat Fallopian Tube Smooth Muscle Cells are to be used with Rat Fallopian Tube Smooth Muscle Cell Medium (Cat. No. ACM0291). 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: Fallopian tube

Disease: Normal

Species: Rattus norvegicus (Rat)

Genetic Background: N/A

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

Symbols: RFTSMC

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: Fusiform, 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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