

# Human Myometrial Smooth Muscle Cells

Cat. No. ARP0003, 5×10<sup>5</sup> cells/vial

## Description

Research on the Human Myometrial Smooth Muscle Cells is essential to the study of various uterine pathologies, including preeclampsia, uterine leiomyomata (fibroids), dysfunctional uterine bleeding, and impaired placental angiogenesis during pregnancy. The uterus is a hollow organ located between the bladder and the rectum. A zygote is implanted in the lining of the uterus for further development. The Human Myometrial Smooth Muscle Cells are to be used with Human Myometrial Smooth Muscle Cell Medium (Cat. No. ACM0003). 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: Uterus

Disease: N/A

Species: Homo sapiens (Human)

Genetic Background: N/A

Markers:  $\alpha$  -Smooth Muscle Actin ( $\alpha$  -SMA)

Symbols: HMSMC

## Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN<sub>2</sub>) 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: N/A

Growth Mode: N/A

Temperature: 37°C

Atmosphere: 5% CO<sub>2</sub>

## 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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This document was last updated on June 20, 2025.