

# Mouse Corpus Cavernosum Smooth Muscle Cells

Cat. No. ARP0531,  $5 \times 10^5$  cells/vial

## Description

Research on the Mouse Corpus Cavernosum Smooth Muscle Cells is essential to the study of erectile dysfunction, diabetes-induced vascular impotence, Peyronie's disease, and cavernosal fibrosis. The penis is an external organ of the male reproductive system that is used for reproduction and urination. The Mouse Corpus Cavernosum Smooth Muscle Cells are to be used with Mouse Corpus Cavernosum Smooth Muscle Cell Medium (Cat. No. ACM0531). 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: Penis

Disease: Normal

Species: *Mus musculus* (Mouse)

Genetic Background: N/A

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

Symbols: MCCSMC

## Shipping & Storage

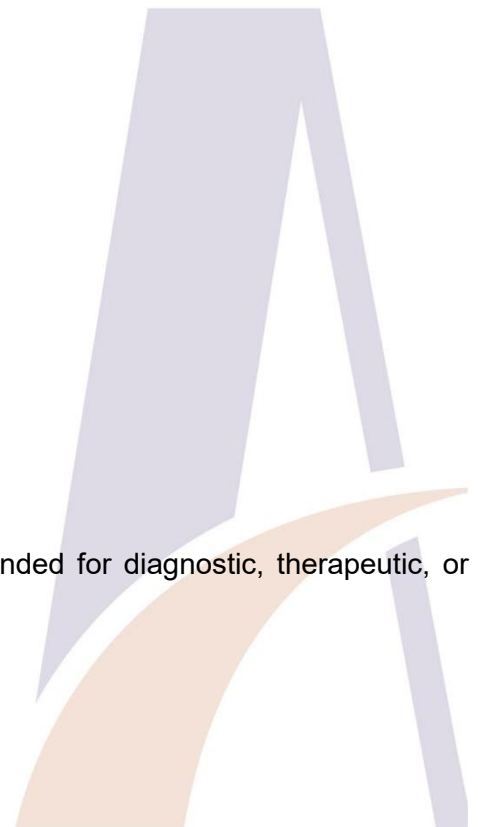
Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN<sub>2</sub>) cryopreservation.

## Intended Use

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## Culturing Guidance



Morphology: Fusiform, Irregular

Growth Mode: Adherent

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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