

Rat Internal Anal Sphincter Smooth Muscle Cells

Cat. No. ARP0305, 5×10^5 cells/vial

Description

Research on the Rat Internal Anal Sphincter Smooth Muscle Cells is essential to the study of fecal incontinence, anal achalasia, postpartum sphincter injury, and age-related sphincter degeneration. The anus is the end of the digestive tract. The Rat Internal Anal Sphincter Smooth Muscle Cells are to be used with Rat Internal Anal Sphincter Smooth Muscle Cell Medium (Cat. No. ACM0305). 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: Anus

Disease: N/A

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

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

Symbols: RIASSMC

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.

Intended Use

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Culturing Guidance

Morphology: Fusiform, Irregular

Growth Mode: Adherent

Temperature: 37°C

Atmosphere: 5% CO₂

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.