

Human Rectal Smooth Muscle Cells

Cat. No. ARP0056, 5×10^5 cells/vial

Description

Research on the Human Rectal Smooth Muscle Cells is essential to the study of rectal motility disorders (e.g., dyssynergic defecation), Hirschsprung's disease, radiation-induced rectal dysfunction, rectal prolapse, and IBS-associated visceral hypersensitivity. The rectum is a section of the large intestine. It is located between the colon and the anus and functions as a temporary store of waste. The Human Rectal Smooth Muscle Cells are to be used with Human Rectal Smooth Muscle Cell Medium (Cat. No. ACM0056). 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: Large intestine (rectum)

Disease: N/A

Species: Homo sapiens (Human)

Genetic Background: N/A

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

Symbols: HRSMC

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.

Intended Use

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Culturing Guidance

Morphology: N/A

Growth Mode: N/A

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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