

# Rat Gastric Smooth Muscle Cells

Cat. No. ARP0222,  $5 \times 10^5$  cells/vial

## Description

Research on the Rat Gastric Smooth Muscle Cells is essential to the study of gastroparesis, functional dyspepsia, diabetic gastric emptying disorders, and pyloric stenosis. The stomach is a part of the digestive system that is located between the esophagus and the small intestine. It can primarily digest food and enable food to pass into the duodenum. The Rat Gastric Smooth Muscle Cells are to be used with Rat Gastric Smooth Muscle Cell Medium (Cat. No. ACM0222). 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: Stomach

Disease: Normal

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

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

Symbols: RGSMC

## Shipping & Storage

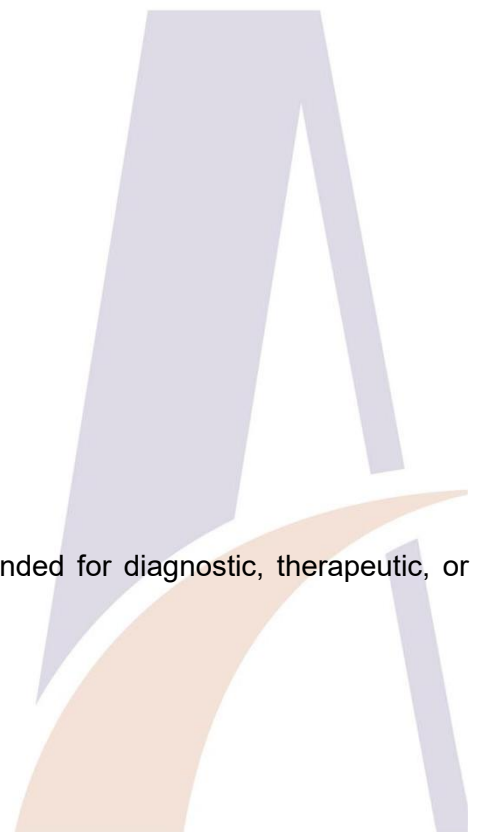
Shipping condition: Frozen on dry ice.

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

## Intended Use

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## Culturing Guidance



Morphology: Elongated 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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