

Rat Bladder Stromal Cells

Cat. No. ARP0269, 5×10^5 cells/vial

Description

Research on the Rat Bladder Stromal Cells is essential to the study of partial bladder outlet obstruction models, cyclophosphamide-induced cystitis studies, diabetic bladder dysfunction research, and bladder regeneration experiments. The bladder is a sac-like organ located in the lesser pelvis, composed of a smooth muscle layer, a mucosal layer, and an outer membrane. It primarily acts as a reservoir for urine, temporarily storing urine produced by the kidneys and expelling it from the body through regular contractions. The health of the bladder is closely linked to the proper functioning of the urinary system. The Rat Bladder Stromal Cells are to be used with Rat Bladder Stromal Cell Medium (Cat. No. ACM0269). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

Specification

Cell Type: N/A

Tissue/Organ: Urinary bladder

Disease: Normal

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: CD117/c-kit

Symbols: RBSC

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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