

Mouse Prostate Basal Cells

Cat. No. ARP0506, 5×10^5 cells/vial

Description

Research on the Mouse Prostate Basal Cells is essential to the study of prostate inflammation, prostatitis, hormone-induced hyperplasia, prostatic intraepithelial neoplasia, PIN, chemical carcinogenesis models, and regenerative studies after castration. The prostate is a gland of the male reproductive system, composed of both muscle and gland tissue. It is located below the bladder, in front of the rectum, and surrounding the urethra. The gland tissue of the prostate releases additional fluid to help nourish sperm cells and lubricate the urethra. While the muscle drives a mechanical switch between urination and ejaculation. The Mouse Prostate Basal Cells are to be used with Mouse Prostate Basal Cell Medium (Cat. No. ACM0506). 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: Prostate

Disease: Normal

Species: *Mus musculus* (Mouse)

Genetic Background: N/A

Markers: Myoepithelial Marker (P63)

Symbols: MPBC

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.

Intended Use

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Culturing Guidance

Morphology: 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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