

Rat Osteoblasts

Cat. No. ARP0313, 5×10^5 cells/vial

Description

Research on the Rat Osteoblasts is essential to the study of osteoporosis, osteogenesis imperfecta, Paget's disease of bone, bone metastasis (e.g., breast/prostate cancer), and medication-related osteonecrosis of the jaw (MRONJ). Bones are hard organs in the body, composed of minerals (mainly calcium and phosphorus) and collagen. They provide the main structural support for the body, protect internal organs, facilitate movement, and produce blood cells. The human body has a total of 206 bones, forming the skeletal system, connected by joints and ligaments. The Rat Osteoblasts are to be used with Rat Osteoblast Medium (Cat. No. ACM0313). 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: Bone

Disease: N/A

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: N/A

Symbols: RO

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.

Intended Use

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Culturing Guidance

Morphology: Elongated 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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