

Rat Periodontal Ligament Fibroblasts

Cat. No. ARP0394, 5×10^5 cells/vial

Description

Research on the Rat Periodontal Ligament Fibroblasts is essential to the study of periodontal diseases, including periodontitis, orthodontic tooth movement-related root resorption, periodontal ligament degeneration, traumatic occlusion injuries, and peri-implantitis. The periodontal ligament (PDL) is the connective tissue that connects the tooth root to the alveolar bone. It plays a significant role in holding the tooth in place and absorbing the biting forces. The Rat Periodontal Ligament Fibroblasts are to be used with Rat Periodontal Ligament Fibroblast Medium (Cat. No. ACM0394). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

Specification

Cell Type: Fibroblasts

Tissue/Organ: Oral cavity (periodontal ligament)

Disease: Normal

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: Fibronectin, Vimentin

Symbols: RPLF

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.

Intended Use

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Culturing Guidance

Morphology: Fibroblast-like

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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