

Alphabioregen

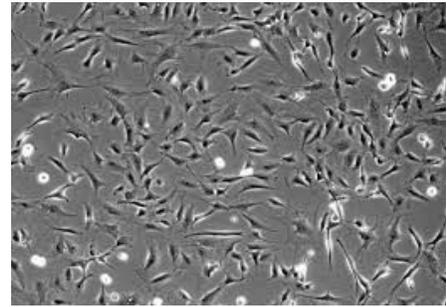
Product Name: Neonatal Rat Cardiac Fibroblasts

Catalog No: R1015

Product Format: Frozen or Proliferating

Cell Number: >90% confluent in T-25 flask/Frozen vial

Storage: 37°C or liquid Nitrogen



General Information: Neonatal Rat Cardiac Fibroblasts cells were isolated from normal neonatal SD rats heart tissue. Passage 1 Neonatal Rat Cardiac Fibroblasts cell can be shipped proliferated in a T-25 flask at >90 confluence, or frozen vial (> 5 x 10⁵ cells). DMEM contains 5% Fetal calf serum (Full medium) is recommended for cell culture and these cells have an average minimum population doubling levels >8 when cultured following the detailed protocol. Cells are tested negative for common experimental animal pathogens, and mycoplasma in vitro. When you receive the cells, leave the flask in 37°C CO₂ incubator for 1 hour first, and then replace the transport medium with fresh Full medium. Let the cells grow for 24hours before subculture.

Subculturing Proliferated Cells:

1. Rinse the cells in T25 flask with 5ml DPBS (Room Temperature, RT) twice.
2. Add 2ml of Trypsin/EDTA (RT) into T25flask (make sure the whole surface of the T25 flask is covered with Trypsin/EDTA),and gently dispose the Trypsin/EDTA solution within 10 seconds with aspiration.
3. Leave the T25 flask with the cells at RT for 1 minute (the cells will normally come off the surface within 1-2 minute). Suspend the cells with 40ml of fresh Full medium and the cell suspension is transferred directly into 4 x T25 flasks (10ml each, and the cells are subcultured at 1:4ratio).
4. Culture medium (full medium) is changed every 2-3 days. The cells normally become confluent within 7 days (when split with a ratio of 1:4).

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Certificate of Analysis

Catalog Number: R1015

Lot number: R1015010115

Storage: 37 °C or Liquid nitrogen

Product Information:

Tissue Origin: SD rats heart tissue.

Passage: 1

Storage Conditions: Liquid Nitrogen– Vapor Phase Only

Special Handling: Minimize exposure to non–liquid nitrogen temperatures, especially room Temperature transfers.

Date of Expiration: Guaranteed for up to 6 months from date of shipment when stored in Liquid Nitrogen.

Required Testing and Results

Test	Specification	Results
Cell Count	> 1x10 ⁵ viable cells/vial	~1.90x10 ⁵ Cells/Vial
Cell Viability	>90%	98%
Endotoxin	<3 EU/mL	<1 EU/mL
USP Sterility	Negative	Negative
Mycoplasma	Negative	Negative
Appearance, Container Integrity	Conforms	Conforms
Appearance, Suspension Appearance	Conforms	Conforms

Product Handling:

Caution: The user should treat all cells as potential pathogens. Wear protective clothing and eye wear. Practice appropriate disposal techniques for potentially pathogenic or biohazardous materials.

For Research Use Only. Not for use in diagnostic procedures. If you have any further questions about this Certificate of Analysis, please contact us at. www.alphabioreagen.com

For inquiries, contact us at sales@alphabioreagen.com

Dr. Guetet