

CYNOM-K1

Cat. No. ARP1010, 1×10^6 cells/vial

Description

CYNOM-K1 is a skin fibroblast finite cell line derived from a Cynomolgus monkey embryo. Cynomolgus Monkey (*Macaca fascicularis*) is also commonly known as the long-tailed macaque or crab-eating macaque. In in vitro transformation assay and in vivo tumorigenic evaluation, CYNOM-K1 cells exhibited free of any tumorigenic characteristics. In the test of poliovirus replication, the CYNOM-K1 cell line was permissive to the growth of Sabin poliovirus types 1, 2, and 3, which made it a significant cell model for research and development of poliovirus vaccine.

Dotti S, Lombardo T, Villa R, et al. Transformation and Tumorigenicity Testing of Simian Cell Lines and Evaluation of Poliovirus Replication. *PLoS One*. 2017;12(1):e0169391. Published 2017 Jan 3. doi:10.1371/journal.pone.0169391

Specification

Cell Type: Fibroblast

Tissue/Organ: Skin

Disease: N/A

Species: *Macaca fascicularis* (Cynomolgus Monkey)

Genetic Background: N/A

Markers: N/A

Symbols: N/A

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.



Intended Use

This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

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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