

MT-2

Cat. No. ARI0238, 1×10^6 cells/vial

Description

MT-2 cell line was derived from the co-cultivation of normal human umbilical cord leukocytes of a healthy donor with diseased leukocytes of an adult T-cell leukemia (ATL) patient infected with HTLV-1. MT-2 cells expresses CD4 and CD25, and lacks of CD3 expression. They are able to product HTLV-1 virions and support the growth of HIV-1. In in vitro culture, MT-2 cells are IL-2 dependent that grow in suspension, and exhibit lymphoblast-like morphology.

Specification

Cell Type: T cell line

Tissue/Organ: Umbilical cord

Derived from Site: Blood

Disease: N/A

Species: Homo sapiens (Human)

Genetic Background: Japanese

Marker: N/A

Sex of Donor: Male

Age: 1 Day

Immortalization Method: HTLV-1

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: Lymphoblast-like

Growth Mode: Suspension

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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