



FL74-UCD-1

CRL-8012™

Description

Organism: *Felis catus*, cat

Cell Type: lymphoblast

Morphology: lymphoblast

Growth properties: Suspension

Disease: Leukemia

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Patent number:

4,264,587

Technical information: ATCC Technical Services does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

Storage Conditions

Product format: Frozen

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

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ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Handling Procedures

Unpacking and storage instructions:

1. Check all containers for leakage or breakage.
2. Remove the frozen cells from the dry ice packaging and immediately place the cells at a temperature below -130°C , preferably in liquid nitrogen vapor, until

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ready for use.

Complete medium: Leibovitz's L-15 medium with 2mM L-glutamine, 85%; fetal bovine serum, 15%

(Note: The L-15 medium formulation was devised for use in a free gas exchange with atmospheric air. A CO₂ and air mixture is detrimental to cells when using this medium for cultivation).

Handling Procedure: Recommended Handling Upon Receipt: Initiate culture as soon as possible upon receipt. Thaw by rapid agitation in 37°C water bath. See instructions on back. Dilute ampule contents with culture medium (see batch data above). Add fresh medium as density increases.

Subculturing procedure:

Subcultivation Ratio: A subcultivation ratio of 1:4 is recommended

Medium Renewal: Every 2 to 3 days

Cultures can be maintained by addition or replacement of fresh medium. Start cultures at 2 X 10⁵ cells/ml and maintain between 1 X 10⁵ and 1 X 10⁶ cells/ml.

Reagents for cryopreservation: Complete growth medium supplemented with 5% (v/v) DMSO (ATCC 4-X)

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: FL74-UCD-1 (ATCC CRL-8012)

References

References and other information relating to this material are available at www.atcc.org.

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