ATCC

Product Sheet

TelCOFS02MA (ATCC® CRL-4005™)

Please read this FIRST

Storage Temp.
Liquid nitrogen vapor phase

Biosafety Level
2

Intended Use

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

Complete Growth Medium

The base medium for this cell line is ATCC-formulated Dulbecco's Modified Eagle's Medium, Catalog No. 30-2002. To make the complete growth medium, add the following components to the base medium: fetal bovine serum to a final concentration of 5%.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: TelCOFS02MA (ATCC® CRL-4005™)

Shipping Information

Frozen

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Organism: *Homo sapiens*, human
Immortalization Method: Expression of human telomerase (hTERT)
Tissue: Skin
Disease: COFS (Cerebro-Oculo-Facio-Skeletal Syndrome)
Cell Type: Fibroblast
Age: 4 to 6 years
Gender: Female
Morphology: fibroblast
Growth Properties: Adherent
DNA Profile:
D5S818: 7, 13
D13S317: 10, 12
D7S820: 10, 12
D16S539: 9, 11
vWA: 16, 17
Amelogenin: X
TPOX: 11, 12
CSF1PO: 12
TH01: 7, 9.3
Cytogenetic Analysis: TelCOFS02MA is a diploid human cell line of female origin with a modal chromosome number of 46 (46,XX) indicated by cytogenetic analysis on G-banded metaphase cells.

Batch-Specific Information

Refer to the Certificate of Analysis for batch-specific test results.

SAFETY PRECAUTION

ATCC highly recommends that protective gloves and clothing always be used and a full face mask always be worn when handling frozen vials. It is important to note that some vials 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 vessel exploding or blowing off its cap with dangerous force creating flying debris.

Unpacking & 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 ready for use.

Subculturing Procedure

Volumes used in this protocol are for 75 cm2 flasks; proportionally reduce or increase amount of dissociation solutions for culture vessels of other sizes.
1. Remove and discard spent medium.
2. Briefly rinse the cells with Dulbecco's Phosphate Buffered Saline (DPBS, ATCC® 30-2200) and discard rinse solution.
3. Add 2.0 to 3.0 mL room temperature 0.25% Trypsin-EDTA (ATCC® 30-2101) to the flask. Incubate at 37°C for 2-3 min (until cells have detached).
4. Neutralize trypsin by adding 5-8 mL of complete growth media.
5. Centrifuge cells at 250 x g for 5 min at room temperature.
6. Remove supernatant. Resuspend pellet in 6.0 to 8.0 mL Complete Growth Medium.
7. Count cells, and seed 4.0 x 10e3 to 6.0 x 10e3 viable cells/cm2 to new culture vessels.
Medium Renewal: Every 2-3 days.

Cryopreservation Medium

90% FBS, 10%DMSO

Comments

CRL-4005 (TelCOFS02MA) is an hTERT-immortalized skin fibroblast cell line derived from a patient with Cerebro-Oculo-Facio-Skeletal Syndrome.

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References

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

Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.
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Additional information on this culture is available on the ATCC web site at www.atcc.org.
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