ATCC

Product Sheet

34-7-23S (ATCC® HB-101™)

Please read this FIRST

Biosafety Level
1

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 Hybri-Care Medium, Catalog No. 46-X. Hybri-Care Medium is supplied as a powder and should be reconstituted in 1 L cell culture grade water. To make the complete growth medium, add the following components to the base medium:

- fetal bovine serum to a final concentration of 10%
- 1.5 g/L sodium bicarbonate for use with 5% CO2 in air atmosphere.

Culture Medium: Modified Dulbecco's medium (see below), 90%; fetal bovine
serum, 10%.
DME w/HEPES (10 mM) 100 mL
L-Glutamine (100x) 1 mL
Solution I 1 mL
Non-essential amino acids (100x) 1 mL
NCTC 135 10 mL
Fetal Bovine Serum 12 mL
Solution I (100x)
1. 1320 mg oxalacetic acid (100 mM, MW 132).
2. 80 mg crystalline bovine insulin (20 units/mL, 25 units/mg).
Add 1 and 2, stir at 37°C. Add Na pyruvate 550 mg (50 mM, FW 110). Bring up to
100 mL with distilled water. Stir at 37°C until solution dissolves. Filter,
aliquot and store frozen.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: 34-7-23S (ATCC® HB-101™)

Description

Organism: *Mus musculus* (B cell); *Mus musculus* (myeloma), mouse (B cell); mouse (myeloma)
Isotype: IgM
Cell Type: hybridoma: B lymphocyte
Morphology: lymphoblast
Growth Properties: suspension

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.

Handling Procedure for Frozen Cells

Part A. FROZEN CELLS
Vol./Ampule: 1.0 mL.
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 (depending on cell density) every 2-3 days.

Handling Procedure for Flask Cultures

Part B. FLASK CULTURES
Recommended Handling Upon Receipt:
Suspension Cultures: The culture flasks have been completely filled with medium
for shipment. Remove the entire contents of the flask and centrifuge at 300 x g
for 15 minutes. Resuspend the cell pellet as suggested under subculture
procedure described above.

Subculturing Procedure

Medium Renewal: Every 2 to 3 days
Cultures can be maintained by addition or replacement of fresh medium. Start cultures at 2 X 10 exp5 cells/ml and maintain between 1 X 10 exp5 and 1 X 10 exp6 cells/ml.

Comments

Animals were immunized with spleen cells from BDF1 mice.
Spleen cells were fused with Sp2/0-Ag14 myeloma cells.
The antibody cross-reacts with H-2Kb and H-2q.
The antibody has been reported to cross-react with cytoskeletal elements of human and mouse fibroblasts and with a surface antigen on human fetal fibroblasts.
Tested and found negative for ectromelia virus (mousepox).

References

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

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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

ATCC® products are warranted for 30 days from the date of shipment, and this warranty is valid only if the product is stored and handled according to the information included on this product information sheet. If the ATCC® product is a living cell or microorganism, ATCC lists the media formulation that has been found to be effective for this product. 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 product. 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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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.
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