



Product Sheet

9-4-3 (ATCC® HB-8935™)

Please read this FIRST



Storage Temp.
liquid nitrogen
vapor phase



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
- 0.05 mM 2-Mercaptoethanol
Culture Medium: Modified Dulbecco's medium (see below), 0.0007% 2-mercaptoethanol, 90%; fetal bovine serum, 10%.
DME w/HEPES (10mM) 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

Description

Organism: *Mus musculus* (B cell); *Mus musculus* (myeloma), mouse (B cell); mouse (myeloma)
Isotype: mouse IgG1
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. 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 flask was seeded, see batch data above, and completely filled with medium to prevent loss of cells in transit. Upon receipt incubate the flask in an upright position for several hours to return the flask contents to 37°C. After the temperature has equilibrated, aseptically remove the entire contents of the flask and centrifuge at 300 x g for 15 minutes. Resuspend the cell pellet in 10-12 mL of the shipping medium. From this suspension remove a sample for a cell count and viability so that the cell density of the suspension can be adjusted to 2-3 x 10⁽⁵⁾ viable cells/mL. If the suspension needs to be diluted use the shipping medium. Incubate the culture in a flat position at 37°C in a 5% CO₂ in air atmosphere. Maintain the cell density of the culture as suggested under the subculture procedure described above.

Subculturing Procedure

Protocol: Cultures can be maintained by the addition of fresh medium or replacement of medium.

Alternatively, cultures can be established by centrifugation with subsequent resuspension at 1 X 10⁽⁵⁾ viable cells/ml.

Interval: Maintain cell density between 1 X 10⁽⁵⁾ and 1 X 10⁽⁶⁾ viable cells/ml.

Medium Renewal: Add fresh medium every 2 to 3 days (depending on cell density)

Comments

No other information is available.



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Citation of Strain

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References

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

Biosafety Level: 1

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

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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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