ATCC

Product Sheet

3 PT12B8 HYBRIDOMA
(HB-8136)

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.

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
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U.S. Patent Number:
5,006,652

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 on the international or U.S. patent office websites.

Product Description

Designation: 3 PT12B8 HYBRIDOMA
Organism: *Mus musculus* (B cell); *Mus musculus* (myeloma)
, mouse (B cell); mouse (myeloma)
Isotype: IgM
Disease: Leukemia
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.

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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 human T chronic lymphocytic leukemia cells.
Spleen cells were fused with NS-1 myeloma cells.
The antibody has been used to prevent graft versus host disease (GVHD).

Propagation

Complete Growth Medium

Modified Dulbecco's medium; horse serum, 10%; fetal bovine serum, 10%
Culture Medium: Modified Dulbecco's medium (see below), 90%; horse serum, 10%.
DME w/HEPES (10mM) 100 mL
L-Glutamine (100x) 2 mL
Solution I 1 mL
Non-essential amino acids (100x) 1 mL
NCTC 135 10 mL
Horse 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.

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

Patent Deposits not produced or characterized by ATCC are warranted for viability only. If you believe the culture you have received is nonviable, contact Technical Services by phone at 800-638-6597 or 703-365-2700 or by e-mail at tech@atcc.org. Or you may contact your local distributor.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.
While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.
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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 Website at www.atcc.org

Disclosure

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