



Product Sheet

3 PT12B8 HYBRIDOMA (HB-8136)

Please read this **FIRST**



Intended Use

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

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U.S. Patent Number:

5,006,652

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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 $300 \times g$ 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 2×10^5 cells/ml and maintain between 1×10^5 and 1×10^6 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.

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Disclosure

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