



Product Sheet

B25.2 HYBRIDOMA (HB-8107)

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:

4,522,918

Technical Information

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Product Description

Designation: B25.2 HYBRIDOMA

Organism: *Mus musculus* (B cell); *Mus musculus* (myeloma), mouse (B cell); mouse (myeloma)

Isotype: IgM

Disease: Carcinoma

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. Set cell density so that 1-2 x 10⁵ viable cells/mL are seeded in the culture flask.

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

Subcultivation Ratio: A subcultivation ratio of 1:5 is recommended

Medium Renewal: 3 times per week

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 membrane enriched fractions of extracts from either of two human breast tumor metastases to the liver (Met 1 and Met 2).

Spleen cells were fused with NS-1 myeloma cells.

The antibody reacts with extracts of Met 2 but not Met 1, and does not react with live BT-20 (ATCC HTB-19), MCF7 (ATCC HTB-22) and ZR-75-1 (ATCC CRL-1500) mammary carcinoma cells or with liver extracts or a variety of live normal and sarcoma cells.



Propagation

Complete Growth Medium

RPMI 1640 medium with 2 mM L-glutamine, 1 mM sodium pyruvate, 250 ng/ml fungizone, 50 units/ml penicillin and 50 mcg/ml streptomycin, 85%; fetal bovine serum, 15%

Culture Medium: Iscove's modified Dulbecco's medium, 80%; fetal bovine serum, 20%.



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.

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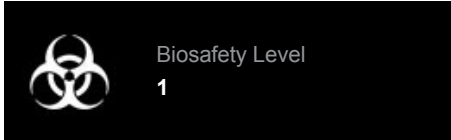


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