B27M2

HB-165™

Description

Organism: *Mus musculus* (B cell); *Mus musculus* (myeloma), mouse (B cell); mouse (myeloma)
Cell Type: hybridoma: b lymphocyte
Morphology: lymphoblast
Growth properties: Suspension

Storage Conditions

Product format: Frozen

Intended Use

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

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always

used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may 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 vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Handling Procedures

Unpacking and 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.

Complete medium: Modified RPMI 1640 medium with 50 uM 2-mercaptoethanol, 90%; fetal bovine serum, 10%.
RPMI 1640 100 mL
L-Glutamine (100x) 1 mL
Solution FM 1 mL
Non-essential amino acids (100x) 1 mL
Fetal Bovine Serum 12 mL
Solution FM (100x)
1. 1320 mg oxalacetic acid (100 mM, MW 132).
2. 100 mg crystalline bovine insulin (20 units/mL, 25 units/mg).

Add 1 and 2, stir at 37°C. Add Na pyruvate 450 mg (41 mM, FW 110).
Bring up to 100 mL with distilled water. Stir at 37°C until solution dissolves.
Filter, aliquot and store frozen.
Handling Procedure: 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.
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.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: B27M2 (ATCC HB-165)

References

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

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