



MECA-89

HB-292™

Description

Organism: *Rattus norvegicus* (B cell); *Mus musculus* (myeloma), rat (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: RPMI 1640 with 4.5 g/L glucose, 15 mM HEPES, 2 mM L-glutamine, 0.01 mM non-essential amino acids, and 0.05 mM 2-mercaptoethanol, 90%; fetal bovine serum, 10%

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 every 2-3 days as cell density increases. For long term culture, the use of mouse peritoneal macrophage cells as a feeder in the culture is recommended.

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For serum-free cultures, HB-1011 or Excell 300 medium may be used. Feeder cells appear to be required for serum-free cultivation.

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.

Reagents for cryopreservation: Complete growth medium supplemented with 5% (v/v) DMSO (ATCC 4-X)

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: MECA-89 (ATCC HB-292)

References

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

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