



## Product Sheet

# 12.1 (ATCC® HB-228™)

### 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.

### Complete Growth Medium

Culture Medium: RPMI 1640 medium with 2 mM L-glutamine, 1 mM sodium pyruvate, and 50  $\mu$ M 2-mercaptoethanol, 90%; fetal bovine serum, 10%.

### Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: 12.1 (ATCC® HB-228™)

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Or contact your local distributor

## Description

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

**Isotype:** IgG2a

**Disease:** sarcoma

**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  $-130^{\circ}\text{C}$ , 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  $37^{\circ}\text{C}$  water bath. See instructions on back.

Dilute ampule contents with culture medium (see batch data above). Add fresh medium as cell density increases about 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.

## Subculturing Procedure

**Medium Renewal:** Every 2 to 3 days

Cultures can be maintained by addition or replacement of fresh medium. Start cultures at  $1 \times 10^5$  cells/ml and maintain between  $1 \times 10^5$  and  $5 \times 10^5$  cells/ml.

## Comments

Animals were immunized with human lymphoblasts from a mixed lymphocyte culture reaction.

Spleen cells were fused with NSI/1 myeloma cells.

The antibody strongly reacts with an antigen (CD6) expressed on peripheral blood T cells, activated T cells and Sezary type leukemic T cells.

Lesser amounts of the antigen were detected on thymocytes and acute T cell leukemic lymphoblasts.

The antibody also reacts with leukemic cells from most patients with B cell chronic lymphocytic leukemia and some patients with lymphosarcoma cell leukemia.

## References

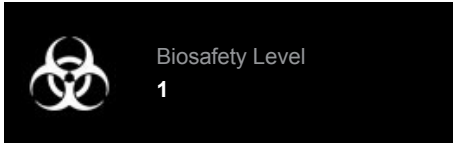
References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).



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**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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Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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