



## Product Sheet

# 7A9 (ATCC® HB-10135™)

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

RPMI 1640 medium with hypoxanthine and thymidine, 85%; fetal bovine serum, 15%  
Culture Medium: RPMI medium 1640 with 0.016 mM thymidine, 0.1 mM hypoxanthine, 85%; fetal bovine serum, 15%.

## Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: 7A9 (ATCC® HB-10135™)

American Type Culture Collection  
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Manassas, VA 20108 USA  
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Or contact your local distributor

## Description

**Organism:** *Mus musculus* (B cell); *Mus musculus* (myeloma), mouse (B cell); mouse (myeloma)  
**Isotype:** IgG1  
**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 culture 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 flask was seeded, see batch data above, and completely filled with medium to prevent loss of cells in transit. Upon receipt incubate the flask in an upright position for several hours to return the flask contents to 37°C. After the temperature has equilibrated, aseptically remove the entire contents of the flask and centrifuge at 300 x g for 15 minutes.

Resuspend the cell pellet in 10-12 mL of the shipping medium. From this suspension remove a sample for a cell count and viability so that the cell density of the suspension can be adjusted to 2-5 x 10<sup>(5)</sup> viable cells/mL. If the suspension needs to be diluted use the shipping medium. Incubate the culture in a flat position at 37°C in a 5% CO<sub>2</sub> in air atmosphere. Maintain the cell density of the culture as suggested under the 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 2 X 10<sup>5</sup> cells/ml and maintain between 1 X 10<sup>5</sup> and 1 X 10<sup>6</sup> cells/ml.

## Comments

Animals were immunized with IL-1 activated human umbilical vein endothelial cells.

Spleen cells were fused with mouse myeloma cells.

The antibody binds to IL-1 activated human endothelial cells, but not to resting endothelial cells or IL-1 treated mononuclear leukocytes, fibroblasts or keratinocytes.

It precipitates an antigen consisting of a 100000 dalton polypeptide (90000 daltons under reducing conditions).



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The antibody totally blocks binding of granulocytes and partially blocks monocyte binding to IL-1 stimulated endothelial cells.

### References

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

ATCC® products are warranted for 30 days from the date of shipment, and this warranty is valid only if the product is stored and handled according to the information included on this product information sheet. If the ATCC® product is a living cell or microorganism, ATCC lists the media formulation that has been found to be effective for this product. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this product. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

### Disclaimers

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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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