Organism: human (T cell); human (T cell leukemia)
Disease: Leukemia, hepatitis
Cell Type: hybridoma: helper T lymphocyte
Morphology: lymphoblast
Growth Properties: suspension

Refer to the Certificate of Analysis for batch-specific test results.

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.

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.

Medium Renewal: Every 2 to 3 days
Cultures can be maintained by addition or replacement of fresh medium. Start cultures at 2 x 10^5 cells/ml and maintain between 1 x 10^5 and 1 x 10^6 cells/ml.

T cells from a patient with acquired immunodeficiency syndrome (AIDS) were fused with K37.3.2 human T cell leukemia cells.
The cells produce a SSF that specifically inhibits T cell dependent immune functions.
NOTE: this line should be handled with care since one of the fusion partners was derived from a patient with AIDS.
Hepatitis B virus precautions are recommended by the depositor.

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

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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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org.

Additional information on this culture is available on the ATCC web site at www.atcc.org.

Please read this FIRST

Biosafety Level

2

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

The base medium for this cell line is ATCC-formulated RPMI-1640 Medium, Catalog No. 30-2001. To make the complete growth medium, add the following components to the base medium: fetal bovine serum to a final concentration of 10%. Culture medium: RPMI 1640, 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: HM2 (ATCC® HB-8587™)