



# ThawReady™ THP-1; 10 pack

TIB-202-AR10™

## Description

*ThawReady™*

ATCC ThawReady™ THP-1 monocytes can be used at thaw, eliminating lengthy cell expansion. These assay ready cells allow you to acquire your data in hours rather than weeks, eliminating the need for cell expansion or banking. 10 vial pack.

**Organism:** *Homo sapiens*, human

**Tissue:** Peripheral blood

**Age:** 1 year

**Gender:** Male

**Morphology:** Lymphoblast-like

**Growth properties:** Suspension

**Disease:** Acute monocytic leukemia

**Cells per vial:**  $6.0 \times 10^6$

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** Vapor phase of liquid nitrogen

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## 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.

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**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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

**Temperature:** 37°C

**Atmosphere:** 95% Air, 5% CO<sub>2</sub>

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## Handling Procedures

**Complete medium:** The base medium for this cell line is ATCC-formulated RPMI-1640 Medium (ATCC 30-2001). To make the complete growth medium, add the following components to the base medium:

- Fetal bovine serum (ATCC 30-2020) to a final concentration of 10%
- 2-Mercaptoethanol to a final concentration of 0.05 mM

**Handling Procedure:**

To ensure the highest level of viability, thaw the vial and initiate the culture as soon as possible upon receipt. If upon arrival, continued storage of the frozen culture is necessary, it should be stored in liquid nitrogen vapor phase and not at -70° C. Storage at -70°C will result in loss of viability.

- Follow cell thawing protocol for Assay Ready Cells. THP-1 reporter cells have a wide array of assay applications. Cells should be appropriately titered to determine appropriate concentration for any particular assay.

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**Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: ThawReady™ THP-1; 10 pack (ATCC TIB-202-AR10)

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**References**

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

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**Warranty**

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30 days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media formulation and reagents that have been found to be effective for the product.

While other unspecified media and reagents may also produce satisfactory results, a change in the ATCC and/or depositor-recommended protocols may affect the recovery, growth, and/or function of the product. If an alternative medium formulation or reagent is used, the ATCC warranty for viability is no longer valid. Except as expressly set forth herein, no other warranties of any kind are provided, express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose, manufacture according to cGMP standards, typicality, safety, accuracy, and/or noninfringement.

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## Contact Information

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: [tech@atcc.org](mailto:tech@atcc.org) or contact your local distributor

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