ATCC

Product Sheet

Dulbecco's Modified Eagle's Medium (DMEM) (ATCC® 30-2002™)

Please read this FIRST

Storage Temp.
Store medium at 2°C to 8°C in the dark when not in use.

Biosafety Level
*

Description

Product Description:
Dulbecco's Modified Eagle's Medium (DMEM) modified to contain 4 mM L-glutamine, 4500 mg/L glucose, 1 mM sodium pyruvate, and 1500 mg/L sodium bicarbonate.
Volume: 500 mL

Directions for Use

Formulation
Contains 4 mM L-glutamine, 4500 mg/L glucose, 1 mM sodium pyruvate, and 1500 mg/L sodium bicarbonate. **NOTE:** This reduced level of sodium bicarbonate ($NaHCO_3$, 1.5 g/L) is intended for use in a 5% CO_2 in air. Additional sodium bicarbonate may be required for use in incubators containing higher percentages of CO_2.

Quality Control Specifications
Sterility tests are performed on each lot of medium using current USP methods. Each lot of medium is also checked for its ability to support the growth of several different cell lines using both sequential subcultures and plating efficiencies. Additional test results are listed in the Certificate of Analysis.

Test*	Specification
pH	7.0 to 7.4
Osmolality	270 to 365 mOsm/kg
Sterility Testing	Pass
Endotoxin	≤ 0.5 EU/mL
Mycoplasma	Pass
Growth Promotion	Pass

*Please consult the Certificate of Analysis for lot-specific test results.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. 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 strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

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

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

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