





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 (NaHCO₃, 1.5 g/L) is intended for use in a 5% CO₂ in air. Additional sodium bicarbonate may be required for use in incubators containing higher percentages of CO₂.

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.

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 366 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

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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.

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