

## Certificate of Analysis

**Description: DMEM**  
(Dulbecco's Modification of Eagle's Medium)  
with 4.5g/L glucose  
without L-glutamine, sodium pyruvate,  
phenol red & sodium bicarbonate  
Prepares 10 L at 12.78 g/L

**Catalog #:** 90-013-PB  
**Lot #:** 34319018  
**Expiration Date:** 2022-08  
**Country of Manufacture:** USA

**Storage:** 2-8°C

**Notes:** This product was tested in accordance with currently approved Mediatech, Inc. specifications and procedures. Testing procedures are maintained in compliance with the current versions of the USP and/or EP, where applicable.

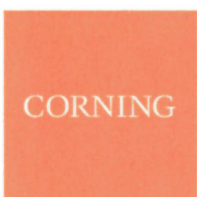
For Research or Further Manufacturing Use Only Not for use in Diagnostic Procedures. Utilization of this product apart from the labeled intended use may be a violation of local and/or Federal Law.

TEST PARAMETERS	SPECIFICATION	RESULT
pH (before adjustment with NaHCO <sub>3</sub> )	6.5 ± 0.5	6.2
pH (after adjustment with NaHCO <sub>3</sub> )	7.8 ± 0.5	7.8
Osmolality (before adjustment with NaHCO <sub>3</sub> )	For Information Only	250 mOsm/kg H <sub>2</sub> O
Osmolality (after adjustment with NaHCO <sub>3</sub> )	335 ± 30 mOsm/kg H <sub>2</sub> O	321 mOsm/kg H <sub>2</sub> O
Particle Size	≥ 90% at 212 micron	99% at 212 micron
Solubility	Pass	Pass
Moisture	≤ 1.50%	0.88%
Endotoxin	≤ 0.25 EU/mL @ FW	< 0.0010 EU/mL @ FW
Mycoplasma	Tested Negative	Negative
Cell Line		
VERO (Cellgrowth)	Pass	Pass
PRK (Cellgrowth)	Pass	Pass
NG-108 (Cellgrowth)	Pass	Pass
LM (Plating Efficiency)	Pass	Pass
Bioburden	Test & Report	1250 CFU/g

For further information, contact Corning Scientific Support at 800-492-1110 or [ScientificSupport@corning.com](mailto:ScientificSupport@corning.com).

Following signatures indicate the above material has met all quality specifications and has been reviewed by a Quality representative.

Written By/Date: Champtz Atewat 12 DEC 2019 Reviewed By/Date: [Signature] 12 DEC 2019



Mediatech, Inc.  
A Corning Subsidiary  
9345 Discovery Boulevard  
Manassas, VA 20109  
1-800-492-1110  
[www.corning.com](http://www.corning.com)