

## 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

**Catalog #:** 90-013-PB  
**Lot #:** 05718016  
**Expiration Date:** 12/20  
**Country of Manufacture:** USA

Prepares 10 L at 12.78 g/L

**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 IVD Use Only. Not for Human Therapeutic Use. 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	256 mOsm/kg H <sub>2</sub> O
Osmolality (after adjustment with NaHCO <sub>3</sub> )	335 ± 30 mOsm/kg H <sub>2</sub> O	330 mOsm/kg H <sub>2</sub> O
Particle Size	≥ 90% at 212 micron	99% at 212 micron
Solubility	Pass	Pass
Moisture	≤ 1.50%	0.64%
Endotoxin	≤ 0.25 EU/mL @ FW	<0.0010 EU/mL @ FW
Mycoplasma	Tested Negative	Negative
Cell Line		
L929 (Cellgrowth)	Pass	Pass
PRK (Cellgrowth)	Pass	Pass
NG-108 (Cellgrowth)	Pass	Pass
LM (Plating Efficiency)	Pass	Pass
Bioburden	Test & Report	40 CFU/g

For additional information on this Mediatech product, please contact our Technical Services department at (800) 235-5476 or via email at MTTechServ@corning.com.

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

Written By/Date: *[Signature]* 18 Apr 2018      Reviewed By/Date: *[Signature]* 19 APR 2018



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