



## CERTIFICATE OF ANALYSIS

Product Name: Dulbecco's Modified Eagle Medium  
With High Glucose, L-Glutamine, 25 mM HEPES and Sodium Pyruvate  
Without Phenol Red and Sodium Bicarbonate

MADE IN THE USA

Catalog Number: DMP01

Storage: 2 to 8°C

Manufacture Date: July 2016

Lot Number: 07160006

Expiration Date: 31 July 2020

Test	Specifications	Results
Appearance	White to Off-White Powder	PASS
Solubility (in H <sub>2</sub> O)	17.78 g/L in ≤ 30 minutes	7 minutes
Moisture Content	≤ 2 %	< 0.75 %
Particle Size (100 mesh)	≥ 90 %	> 95 %
pH <i>(measured at ~ 22°C)</i>		
Without NaHCO <sub>3</sub>	Record	5.39
With 3700 mg/L NaHCO <sub>3</sub>	Record	6.95
Osmolality		
Without NaHCO <sub>3</sub>	Record mM/Kg	230 mM/Kg
With 3700 mg/L NaHCO <sub>3</sub>	Record mM/Kg	304 mM/Kg
Endotoxin	≤ 1.0 EU/mL	< 0.1 EU/mL
<i>Endotoxin testing was performed using the LAL detection method.</i>		
Mycoplasma	Negative	NEGATIVE
<i>Mycoplasma test was performed using MycoAlert® Mycoplasma Detection Assay.</i>		
Animal Cell Culture		
Cell Growth Promotion	3 Passages	PASS
Viability	≥ 80 %	> 80 %
<i>Medium was supplemented with 10 % FBS and 3.7 g/L NaHCO<sub>3</sub>, adjusted to pH 7.29, then tested using BHK cells grown in a monolayer in a 5 % CO<sub>2</sub> atmosphere.</i>		

**This product was produced and tested in accordance with all relevant SOP's and meets or exceeds the quality standards established by Caisson Laboratories, Inc.**

*This product is intended for laboratory use only.*

Kurt Rieben  
Quality Control

8/9/2016