



CERTIFICATE OF ANALYSIS

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

Catalog Number: DMP16

Lot Number: 03150013

Test	Specifications	Results
Appearance	Off-White to Pink Powder	PASS
Solubility (in H ₂ O)	17.68 g/L in ≤ 30 minutes	25 minutes, warmed to 55°C
Moisture Content	≤ 2%	< 0.5%
Particle Size (100 mesh)	≥ 90%	> 90%
pH <i>(pH was measured at ~40° C.)</i>		
Without NaHCO ₃	Record	5.14
With 3700 mg/L NaHCO ₃	Record	6.65
Osmolality		
Without NaHCO ₃	Record mM/Kg	221 mM/Kg
With 3700 mg/L NaHCO ₃	Record mM/Kg	288 mM/Kg
Endotoxin	≤ 1.0 EU/Kg	< 0.25 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%	> 85%
	<i>Medium was supplemented with 10% FBS, 3.7 g/L NaHCO₃, and 110 mg/L Sodium Pyruvate, adjusted to pH 7.29, then tested using BHK cells grown in a monolayer in a 5% CO₂ atmosphere.</i>	

QC Acceptance Date: Apr 2015

Expiration Date: 31 Mar 2019

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

4-7-15