



CERTIFICATE OF ANALYSIS

Product Name: Minimum Essential Medium
With Earle's Salts, L-Glutamine and Pyridoxine HCl
Without Sodium Bicarbonate

MADE IN THE USA

Catalog Number: MEP14

Storage: 2 to 8°C

Manufacture Date: Oct 2016

Lot Number: 10160007

Expiration Date: 31 Oct 2020

Test	Specifications	Results
Appearance	Light-Orange to Tan Powder	PASS
Solubility (in H ₂ O)	9.53 g/L in ≤ 30 minutes	5 minutes
Moisture Content	≤ 2 %	< 1 %
Particle Size (100 mesh)	≥ 90 %	> 95 %
pH (<i>measured at ~ 22° C.</i>)		
Without NaHCO ₃	5.50 - 6.70	5.80
With 2200 mg/L NaHCO ₃	6.80 - 8.00	7.56
Osmolality		
Without NaHCO ₃	240 - 280 mM/Kg	257 mM/Kg
With 2200 mg/L NaHCO ₃	280 - 320 mM/Kg	308 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 %	> 85 %
	<i>Medium was supplemented with 10 % FBS and 2.2 g/L NaHCO₃, adjusted to pH 7.31, then tested with BHK cells grown in a monolayer in a 5 % CO₂ 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

10-31-16

836 South 100 East
Smithfield, Utah 84335

Phone: 435 755 7615
Fax: 435 755 7617

Toll Free: 877 840 0500
www.caissonlabs.com