



## CERTIFICATE OF ANALYSIS

Product Name: RPMI-1640  
Without L-Glutamine, Glucose and Sodium Bicarbonate

Catalog Number: RPP24

Lot Number: 10160002

Storage: 2 to 8°C  
Manufacture Date: Oct 2016  
Expiration Date: 31-Oct-2020

MADE IN THE USA

Test	Specifications	Results
Appearance	Off-White to Pink/Orange Powder	PASS
Solubility (in H <sub>2</sub> O)	8.26 g/L in ≤ 30 minutes	15 minutes
Moisture Content	≤ 2%	≤ 1.75%
Particle Size (100 mesh)	≥ 90%	> 90%
pH ( <i>measured at ~ 22 °C</i> )		
Without NaHCO <sub>3</sub>	Record	7.03
With 2000 mg/L NaHCO <sub>3</sub>	Record	7.54
Osmolality		
Without NaHCO <sub>3</sub>	Record mM/Kg	221 mM/Kg
With 2200 mg/L NaHCO <sub>3</sub>	Record mM/Kg	270 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, 292 mg/L L-Glutamine, and 2 g/L D-Glucose, adjusted to pH 7.36, then tested using VERO 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 10/25/2016  
Quality Control