



## CERTIFICATE OF ANALYSIS

Product Name: RPMI 1640  
Without L-Glutamine

MADE IN THE USA

Catalog Number: RPL02

Storage: 2 to 8°C

Manufacture Date: FEB-2017

Lot Number: 02171032

Expiration Date: 28-FEB-2019

Test	Specifications	Results
Appearance	Clear, Red-Orange Solution	PASS
Sterility		
Aerobic	Negative	NEGATIVE
Anaerobic	Negative	NEGATIVE
pH ( <i>measured at ~ 22°C</i> )	6.90 - 7.20	7.18
Osmolality	260 - 300 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%	> 85%
<i>Medium was supplemented with 10% FBS and 292 mg/L L-Glutamine, 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  
Quality Control

3/14/2017