



CERTIFICATE OF ANALYSIS

Product Name: RPMI-1640

Without L-Glutamine, Glucose and Sodium Bicarbonate

MADE IN THE USA

Catalog Number: RPP24

Storage: 2 to 8°C

Manufacture Date: Oct 2016

Lot Number: 10160002

Expiration Date: 31-Oct-2020

Test	Specifications	Results
Appearance	Off-White to Pink/Orange Powder	PASS
Solubility (in H ₂ 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 ₃	Record	7.03
With 2000 mg/L NaHCO ₃	Record	7.54
Osmolality		
Without NaHCO ₃	Record mM/Kg	221 mM/Kg
With 2200 mg/L NaHCO ₃	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% 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

10/25/2016