



CERTIFICATE OF ANALYSIS

Product Name: William's Medium E
Without L-Glutamine

MADE IN THE USA

Catalog Number: WML01

Storage: 2 to 8°C

Manufacture Date: NOV-2016

Lot Number: 11161008

Expiration Date: 30-NOV-2018

Test	Specifications	Results
Appearance	Clear, Red Solution	PASS
Sterility		
Aerobic	Negative	NEGATIVE
Anaerobic	Negative	NEGATIVE
pH (<i>measured at ~ 22°C</i>)	6.90 - 7.50	7.50
Osmolality	285 - 330 mM/Kg	291 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% 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

11-28-16