



## CERTIFICATE OF ANALYSIS

Product Name: Ham's F-12 Medium  
With L-Glutamine

MADE IN THE USA

Catalog Number: HFL04

Storage: 2 to 8°C

Manufacture Date: Oct 2016

Lot Number: 10161001

Expiration Date: 30 Apr 2018

Test	Specifications	Results
Appearance	Clear, Peach-Colored Solution	PASS
Sterility		
Aerobic	Negative	NEGATIVE
Anaerobic	Negative	NEGATIVE
pH <i>(measured at ~ 22 °C)</i>	7.1 - 7.40	7.40
Osmolality	260 - 320 mM/Kg	303 mM/Kg
Endotoxin	≤ 1.0 EU/mL	< 0.15 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, then tested using CHO 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      10-18-16  
Quality Control