



CERTIFICATE OF ANALYSIS

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

Catalog Number: HFL04

Storage: 2 to 8°C

MADE IN THE USA

Manufacture Date: FEB-2019

Lot Number: 02191014

Expiration Date: 31-AUG-2020

Test	Specifications	Results
Appearance	Clear, Light-Orange to Pink Solution	PASS
Sterility (<i>USP <71></i>)		
Aerobes, Anaerobes, Fungi	Negative	NEGATIVE
pH (<i>measured at 24°C</i>)	7.1 - 7.4	7.32
Osmolality	260 - 320 mM/Kg	310 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%	> 90%
	<i>Medium was supplemented with 10% FBS, then tested using CHO 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.

Prepared by:

Reviewed by:

BSE/TSE Declaration

To the present state of our knowledge we declare that this product does not contain any BSE/TSE AGENT. This declaration is given in good faith and no warranty express or implied with respect to quality and properties is made.

Kurt Rieben
Quality Control

04-MAR-2019

836 South 100 East
Smithfield, Utah 84335

Phone: 435 755 7615
Fax: 435 755 7617

Toll Free: 877 840 0500
www.caissonlabs.com