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## CERTIFICATE OF ANALYSIS

### Dulbecco's Modified Eagle's / Ham's F12 SILAC Medium

With L-Glutamine and 15 mM HEPES  
Without L-Lysine, L-Arginine, Phenol Red, and Sodium Bicarbonate

Catalog Number: DFP03  
Lot Number: 04170006  
MADE IN THE USA

Storage: 2° to 8°C  
Manufacture Date: Apr-2017  
Expiration Date: **30-Apr-2022**

Test	Specifications	Results
Appearance	White to Off-White Powder	Pass
Solubility in Water	15.32 g/L in ≤ 30 minutes	3 Minutes
Moisture Content	≤ 2 %	< 1 %
Particle Size	≥ 90 % through 100 Mesh	> 90 %
pH ( <i>measured at 25°C</i> )		
Without NaHCO <sub>3</sub>	Record	5.76
With 1200 mg/L NaHCO <sub>3</sub>	Record	6.80
Osmolality		
Without NaHCO <sub>3</sub>	Record mM/Kg	277 mM/Kg
With 1200 mg/L NaHCO <sub>3</sub>	Record mM/Kg	308 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 %	> 90 %
<i>Medium was supplemented with 10 % FBS, 147.5 mg/L L-Arginine HCl, 91.25 mg/L L-Lysine HCl, and 1200 mg/L NaHCO<sub>3</sub>, adjusted to pH 7.28, 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.*

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Reviewed by:

06-Apr-2021

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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.

Toll Free: 1-877-840-0500