

PRODUCT: HAM'S F-12
Without Hypoxanthine and L-Glutamine

CATALOG#: 112-153-131 Size: 1000ml

LOT#: 723837

CERTIFICATE OF ANALYSIS

| | <u>Range</u> | <u>Result</u> |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| pH: | 6.9 – 7.3 | 7.041 |
| OSMOLALITY: | 280 - 310 mOsm/kg of water | 301 |
| ENDOTOXIN: | Test & Report | <0.030 EU/ml |
| MYCOPLASMA: | Negative | pass |
| APPEARANCE: | Pink to a reddish-orange colored fluid. | pass |
| STERILITY: | No evidence of bacterial or fungal contamination after 14 days testing on fluid thioglycollate and Tryptic Soy broth. | pass |
| CELL GROWTH: | Supports monolayer and suspension cell in culture. Cells have been propagated for two consecutive passages with an average of 4-6 fold increase in four days. | pass |
| RECOMMENDED STORAGE CONDITIONS: | 2 – 8°C | |
| MANUFACTURED DATE: | 7/2020 | |
| EXPIRATION DATE: | 7/2022 | |

Michael J. Fisher

7/27/2020

Quality Assurance

Date

FOR RESEARCH USE ONLY
NOT FOR IN-VITRO DIAGNOSTIC USE.