

CERTIFICATE OF ANALYSIS

Charcoal Stripped Fetal Bovine Serum

Batch/Lot No:	347G18-CS	Expiration Date:	April 2025
Catalog No:	FBS005-C	Storage:	≤ -10°C
Country of Raw Material Origin:	United States	Appearance:	Clear straw to amber liquid
Country of Final Manufacturing:	United States	Filtration:	Sterile Filter
Date of Manufacture:	April 2020		

Chemical Parameters

Test	Methodology	Unit of Measure	Specification	Results
Albumin	Chemistry Analyzer	g/dL	As Reported	2.40
Alkaline Phosphatase	Chemistry Analyzer	IU/L	As Reported	354
ALT (SGPT)	Chemistry Analyzer	IU/L	As Reported	6
AST (SGOT)	Chemistry Analyzer	IU/L	As Reported	46
Bilirubin	Chemistry Analyzer	mg/dL	As Reported	Not Detected
Calcium	Chemistry Analyzer	mg/dL	As Reported	14.2
Cholesterol	Chemistry Analyzer	mg/dL	As Reported	29
Chloride	Chemistry Analyzer	mEq/L	As Reported	91
Creatinine	Chemistry Analyzer	mg/dL	As Reported	2.7
GGT	Chemistry Analyzer	IU/L	≤ 10	6
Glucose	Chemistry Analyzer	mg/dL	As Reported	67
Hemoglobin	USP <90>	mg/dL	≤ 20	6.33
Iron	Chemistry Analyzer	ug/dL	As Reported	171
LDH	Chemistry Analyzer	IU/L	As Reported	485
pH	pH Meter		7.00-8.00	7.59
Phosphate	Chemistry Analyzer	mg/dL	As Reported	8.5
Potassium	Chemistry Analyzer	mEq/L	As Reported	11.0
Sodium	Chemistry Analyzer	mEq/L	As Reported	129
Total Protein	Chemistry Analyzer	g/dL	3.0-4.5	3.50
Triglyceride	Chemistry Analyzer	mg/dL	As Reported	72
Urea Nitrogen (BUN)	Chemistry Analyzer	mg/dL	As Reported	17
Uric Acid	Chemistry Analyzer	mg/dL	As Reported	1.2

Microbiological Parameters

Test	Methodology	Unit of Measure	Specification	Results
Endotoxin	LAL	ng/mL	Test and Report	12.13
Sterility				
Bacteria	9CFR 113.26		No Growth	No Growth
Fungi	9CFR 113.26		No Growth	No Growth

NEUROMICS

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Hormone Panel


Test	Unit of Measure	Specification	Results
T3	ng/dL	As Reported	72
T4	ug/dL	As Reported	14.4
Estradiol	pg/mL	As Reported	20.19
Progesterone	ng/dL	As Reported	< 0.06
Testosterone	ng/mL	As Reported	< 0.10

Viral Testing

Test	Methodology	Specification	Results
Blue Tongue	9CFR 113.53	Not Detected	Not Detected
Bovine Adeno 1	9CFR 113.53	Not Detected	Not Detected
Bovine Adeno 5	9CFR 113.53	Not Detected	Not Detected
BPV	9CFR 113.53	Not Detected	Not Detected
BRSV	9CFR 113.53	Not Detected	Not Detected
BVD	9CFR 113.53	As Reported	Not Detected
Cytopathic (IBR)	9CFR 113.53	Not Detected	Not Detected
Hemadsorbing (PI3)	9CFR 113.53	Not Detected	Not Detected
Rabies	9CFR 113.53	Not Detected	Not Detected
REO Virus	9CFR 113.53	Not Detected	Not Detected

Test results reviewed and approved by*


 _____ July 9, 2020
 Approved by/Date


 _____ July 9, 2020
 Verify by/Date

** Test results for this product may have been obtained from third-party certified testing facilities. Results are believed to be accurate but have not been verified by Neuromics. Neuromics relies on the integrity of third-party testing facilities and conducts periodic audits of those facilities. Such audits provided Neuromics with sufficient confidence in the facilities' level of compliance.*