



Certificate of Analysis

Fetal Bovine Serum

Dialyzed, Sterile

Catalog no.: 080950, 080910, 080905

Lot no.: 109667

Mfg. Date: 10/2021

Exp. Date: 10/2026

MSDS: Available upon request

Shipping: Frozen at -10 to -18°C

Storage: Store frozen at -10 to -18°C

CHEMICAL ANALYSIS

TEST	SPECIFICATION	UNITS	RESULTS
Total Protein	2.9 - 4.5	g/dL	2.94
Albumin	≤ 4.5	g/dL	1.58
Total Bilirubin	As reported	mg/dL	0.32
Globulin	As reported	g/dL	1.36
ALP	As reported	U/L	115.0
ALT	As reported	U/L	9.00
AST	As reported	U/L	24.00
LDH	As reported	U/L	256.0
Cholesterol	As reported	mg/dL	23.20
Glucose	≤ 5.00	mg/dL	0.0
Creatinine	As reported	mg/dL	0.039
Magnesium	As reported	mmol/L	0.08
Sodium	As reported	mmol/L	128.6
Potassium	As reported	mmol/L	<1.0
Chloride	As reported	mmol/L	116.5
Calcium	As reported	mg/dL	<2.0
Phosphorus	As reported	mg/dL	<0.92
Osmolality	260 - 340	mOsm/kg	275
pH	6.7 - 8.0	NA	7.41

MICROBIOLOGICAL ANALYSIS

TEST	SPECIFICATION	UNITS	RESULTS
Endotoxin	<10.0	EU/mL	Conform
Hemoglobin	≤ 25.0	mg/dL	21.39
Mycoplasma Species	Negative	NA	Negative
Appearance	Clear amber	NA	Conform
Sterility	Pass	NA	Sterile



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ANTIBODY VIRUS NEUTRALIZATION

TEST	SPECIFICATION	RESULTS
Para Influenza 3 (PI-3)	Negative	Negative
Bovine viral diarrhea (BVD)	Negative	Tested
Adenovirus	Negative	Negative
Herpes (BHV4)	Negative	Negative
Infectious Bovine Rhinotracheitis (IBR)	Negative	Negative
Bovine Respiratory Syncytial Virus (BRSV)	Negative	Negative

HORMONES ANALYSIS

TEST	SPECIFICATION	UNITS	RESULTS
Insulin	Check & Record Estrus: 10-40	pmol/L	39.45
Estradiol	Pregnancy 6 months or less: < 20 Pregnancy 9 month: > 50	pg/ml	Not tested

SERUM PROTEIN ELECTROPHORESIS

TEST	SPECIFICATION	UNITS	RESULTS
<i>Albumin</i>	1.5 – 2.8	g/dL	1.56
Alpha 1 Globulin	Check & Record	g/dL	1.10
Beta Globulin	Check & Record	g/dL	0.24
Gamma Globulin	Check & Record	g/dL	0.04
A/G ratio	Check & Record	----	1.13

ADDITIONAL INFORMATION: Serum is dialyzed against 0.15M NaCl (using 10 000MW cut-off filters) until the level of glucose is below 5 mg/dL. This procedure reduces the level of low molecular weight components.

THIS PRODUCT IS INTENDED FOR RESEARCH USE ONLY. IT IS NOT INTENDED FOR HUMAN OR THERAPEUTIC USE.