



Certificate of Analysis

Created October 4, 2017

Product: Stasis™ Fetal Bovine Serum

Triple 0.1µm sterile-filtered

Catalog #: 100-125

Lot #: A11G88I

Origin: Nicaragua (100%)

Manufacture Date: Mar 2017

Expiration Date: Mar 2022

TEST	METHODOLOGY	SPECIFICATION	RESULTS
Biological Testing			
Endotoxin	USP<85>	<10.0 EU/mL	0.25 EU/mL
Hemoglobin	Fleming, AF and Woolf, AJ (1965)	<20.0 mg/dL	14.8 mg/dL
Microbiological Testing			
Sterility	USP<71>		
Bacteria		Not Detected	Not Detected
Fungi		Not Detected	Not Detected
Mycoplasma	Barile, MF and Kern, J (1971)	Not Detected	Not Detected
Viral Testing			
	9 CFR 113.53c [113.46, 113.47]		
Cytopathic Agents		Not Detected	Not Detected
Hemadsorbing Agents		Not Detected	Not Detected
Bovine Viral Diarrhea Ab Titer			
Type I		Test and Report	1:1
Type II		Test and Report	1:1
Extraneous Viruses (FAb)			
Bluetongue Virus		Not Detected	Not Detected
Bovine Adenovirus		Not Detected	Not Detected
Bovine Parvovirus		Not Detected	Not Detected
Bovine Viral Diarrhea (cytopathic)		Not Detected	Not Detected
Bovine Viral Diarrhea (non-cytopathic)		Test and Report	Not Detected
Bovine Syncytial Virus		Not Detected	Not Detected
Bovine Rabies Virus		Not Detected	Not Detected
Reovirus		Not Detected	Not Detected
Physical Testing			
Electrophoretic Pattern	Cellulose Acetate	Normal	Normal
Osmolality	USP<785>	260-350 mOsm/kg	302 mOsm/kg
pH @ RT	USP<791>	6.5 – 8.5	7.3



GEMINI
BIO-PRODUCTS

Biochemical Testing

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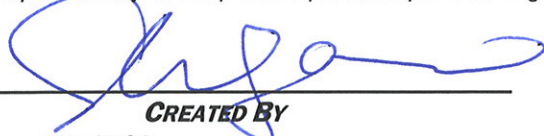
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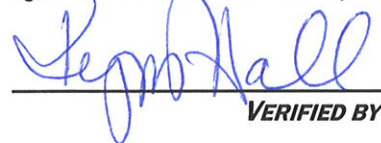
TEST	METHODOLOGY	SPECIFICATION	RESULTS
Albumin		Test and Report	2.2 g/dL
Alkaline Phosphatase		Test and Report	273 U/L
ALT (SGPT)		Test and Report	8 U/L
AST (SGOT)		Test and Report	60 U/L
Bilirubin, Total		Test and Report	0.6 mg/dL
BUN		Test and Report	20 mg/dL
Calcium		Test and Report	3.25 mM
Chloride		Test and Report	111 mM
Cholesterol		Test and Report	1.30 mg/dL
Cortisol		Test and Report	<5.52 nM
Creatinine		Test and Report	3.1 mg/dL
Estradiol		Test and Report	90.31 pM
Glucose		Test and Report	3.22 mM
IgG	ELISA	Test and Report	0.068 mg/mL
Insulin		Test and Report	43.41 pM
Iron, Serum		Test and Report	157 ug/dL
Phosphorus		Test and Report	2.81 mM
Potassium		Test and Report	10.9 mM
Progesterone		Test and Report	<0.16 nM
Protein, Total	Biuret	2.5-6.0 g/dL	3.8 g/dL
Sodium		Test and Report	136 mM
Testosterone		Test and Report	<0.035 nM
T3		Test and Report	1.19 nM
T4		Test and Report	212.36 nM
Triglycerides		Test and Report	56 mg/dL
Tetracycline		Test and Report	<1 ng/mL
Uric Acid		Test and Report	21 mg/dL

Results shown were obtained by carefully performed methods believed to be reliable. However, since some results may vary by methodology, it is suggested that tests for which results are particularly critical be repeated by the end user.

Our fetal bovine serum meets all USDA requirements and has passed ante- and post-mortem inspection by a licensed veterinarian. It is collected in countries recognized as being free of foot-and-mouth disease and rinderpest. The origin of all fetal bovine serum is traceable by lot number, date and country of collection.

Precipitates may develop in this product upon freezing and/or thawing; this occurrence does not impact culture performance.


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