

CERTIFICATE OF ANALYSIS

Stasis[™] Stem Cell Qualified Fetal Bovine Serum

(Catalog Number 100-525)

Lot Number: A121038

Date of Manufacture: Aug2021

Product Expiry: Aug2026

Origin: United States

Storage Temperature: ≤ -10°C

For Cell culture, Further Manufacturing or Research use Only. Not for Direct Therapeutic Use.

Product description: Stasis[™] Stem Cell Qualified Fetal Bovine Serum is sterile-filtered through a 0.1 μm filter prior to

freezing.

Test	Methodology	Specification	Analysis
Biological Testing			
Endotoxin	USP<85>, EP 2.6.14	<10.0 EU/mL	<1 EU/mL
Hemoglobin	Fleming, AF and Woolf, AJ (1965)	<20.0 mg/dL	8.69 mg/dL
Microbiological Testing			
Sterility	USP<71>, EP 2.6.1		
Bacteria		No Growth	No Growth
Fungi		No Growth	No Growth
Mycoplasma	Barile, MF and Kern, J (1971), EP 2.6.7/PCR	Not Detected	Not Detected
Viral Testing	9CFR 113.53c[113.46, 113.47]		
Cytopathic Agents		Not Detected	Not Detected
Hemadsorbing Agents		Not Detected	Not Detected
Extraneous Viruses (FAb)			
Bluetongue Virus		Not Detected	Not Detected
Bovine Adenovirus		Not Detected	Not Detected
Bovine Parvovirus		Not Detected	Not Detected
Bovine Viral		Not Detected	Not Detected
Diarrhea(cytopathic)			
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>, EP 2.2.35	260 - 350 mOsm/kg	282 mOsm/kg
pH	USP<791>	6.5 – 8.5	7.02



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Albumin Alkaline Phosphatase A	Test	Methodology	Specification	Analysis
Alkaline Phosphatase Alkaline	Biochemistry		V_	
ALT (SGPT) AST (SGOT)	Albumin		Test and Report	2.0 g/dL
Test and Report 44 IU/L 6GT <10 U/L 4 IU/L 6IIIrubin, Total Test and Report 0.3 mg/dL 4 IU/L 6IIIrubin, Total Test and Report 0.3 mg/dL 4 IU/L 6IIIrubin, Total Test and Report 14 mg/dL Test and Report 14 mg/dL Test and Report 13.5 mg/dL Test and Report 97 mmol/L Test and Report 28 mg/dL Test and Report 28 mg/dL Test and Report 28 mg/dL Test and Report 2.6 mg/dL Test and Report 2.6 mg/dL Test and Report 39 mg/dL Test and Report 93 mg/dL Test and Report 39 mg/dL Test and Report 4.39 µIU/mL Test and Report 192 µg/dL Test and Report 192 µg/dL Test and Report 10.2 mg/dL Test and Report 10.2 mg/dL Test and Report 10.2 mg/dL Test and Report 3.5 g/dL Test and Report 135 mmol/L Test and Report 135 mg/dL Test and Report 1	Alkaline Phosphatase		Test and Report	207 IU/L
Seg	ALT (SGPT)		Test and Report	6 IU/L
Test and Report 14 mg/dL 15.5 mg/dL 16.0 mg/mL 16.0 mg/dL 16.0 mg/mL 16.0 mg/dL 16.0 mg/mL 16.0 mg/	AST (SGOT)		Test and Report	44 IU/L
Test and Report 14 mg/dL 13.5 mg/	GGT		<10 U/L	4 IU/L
Test and Report 13.5 mg/dL 7 mmol/L 7 m	Bilirubin, Total		Test and Report	0.3 mg/dL
Test and Report 13.5 mg/dL 19.5 m	BUN		Test and Report	14 mg/dL
Test and Report 28 mg/dL cortisol Test and Report 40.20 µg/dL creatinine Test and Report 2.6 mg/dL creatinine Test and Report 2.6 mg/dL 3.5 g/dL cortisol Test and Report 4.39 µlU/mL cortisol Test and Report 192 µg/dL cortisol Test and Report 10.2 mg/dL cortisol Test and Report 10.2 mg/dL cortisol Test and Report 10.0 mmol/L cortisol Test and Report 10.0 mg/mL cortisol Test and Report 118 ng/dL cortisol Test and R	Calcium		Test and Report	13.5 mg/dL
Test and Report 2.6 mg/dL	Chloride		Test and Report	97 mmol/L
Test and Report 2.6 mg/dL 93 mg/dL 93 mg/dL 20.300 mg/mL* 0.0593 mg/mL 20.300	Cholesterol		Test and Report	28 mg/dL
Glucose gG ELISA <0.300 mg/mL* 0.0593 mg/mL nsulin Test and Report 4.39 μIU/mL ron, Serum Test and Report 192 μg/dL Phosphorus Test and Report 10.2 mg/dL Progesterone Test and Report <0.1 ng/mL Protein, Total Biuret 2.5 – 6.0 g/dL 3.5 g/dL Godium Test and Report 135 mmol/L Test and Report 135 mmol/L Test and Report 135 mmol/L Test and Report 118 ng/dL Test and Report 118 ng/dL Test and Report 118 ng/dL Test and Report 171 mg/dL Test and Report 71 mg/dL	Cortisol		Test and Report	<0.20 µg/dL
Fest and Report 10.0 mg/mL Progesterone Protein, Total Footians Footian	Creatinine		Test and Report	2.6 mg/dL
Seg ELISA <0.300 mg/mL* 0.0593 mg/mL ron, Serum ron, S	Glucose		Test and Report	93 mg/dL
Test and Report 192 μg/dL Phosphorus Test and Report 10.2 mg/dL Protessium Test and Report >10.0 mmol/L Progesterone Test and Report <0.1 ng/mL Protein, Total Biuret 2.5 – 6.0 g/dL 3.5 g/dL Sodium Test and Report 135 mmol/L Test and Report <0.01 ng/mL Test and Report 118 ng/dL Test and Report 118 ng/dL Test and Report 71 mg/dL Triglycerides Test and Report 71 mg/dL Test and Report 71 mg/dL Test and Report <1.0 ng/mL	lgG	ELISA	<0.300 mg/mL*	
PhosphorusTest and Report10.2 mg/dLProtassiumTest and Report>10.0 mmol/LProgesteroneTest and Report<0.1 ng/mL	Insulin		Test and Report	4.39 μIU/mL
PotassiumTest and Report>10.0 mmol/LProgesteroneTest and Report<0.1 ng/mL	ron, Serum		Test and Report	192 μg/dL
Progesterone Protein, Total Biuret 2.5 – 6.0 g/dL 3.5 g/dL 3.5 g/dL Godium Test and Report	Phosphorus		Test and Report	10.2 mg/dL
Protein, Total Biuret 2.5 – 6.0 g/dL 3.5 g/dL Godium Test and Report 135 mmol/L Testosterone Test and Report <0.01 ng/mL	Potassium		Test and Report	>10.0 mmol/L
Godium Test and Report 135 mmol/L Festosterone Test and Report <0.01 ng/mL	Progesterone		Test and Report	<0.1 ng/mL
Testosterone Test and Report <0.01 ng/mL T3 Test and Report 118 ng/dL T4 Test and Report 18.5 μg/dL Triglycerides Test and Report 71 mg/dL Tetracycline <4 ng/mL	Protein, Total	Biuret	2.5 - 6.0 g/dL	3.5 g/dL
Test and Report 118 ng/dL Test and Report 18.5 μg/dL Test and Report 71 mg/dL Test and Report 71 mg/dL Tetracycline <4 ng/mL <1.0 ng/mL	Sodium		Test and Report	135 mmol/L
Test and Report 18.5 μg/dL Friglycerides Test and Report 71 mg/dL Fetracycline <4 ng/mL <1.0 ng/mL	Testosterone Testosterone		Test and Report	<0.01 ng/mL
Test and Report 18.5 μg/dL Friglycerides Test and Report 71 mg/dL Fetracycline <4 ng/mL <1.0 ng/mL	Т3		Test and Report	
Tetracycline <4 ng/mL <1.0 ng/mL	T4		Test and Report	
<u> </u>	Trigl <mark>ycer</mark> ides		Test and Report	71 mg/dl
Jric Acid Test and Report 2.5 mg/dL	Tet <mark>racyc</mark> line		<4 ng/mL	<1.0 ng/mL
	Uri <mark>c Acid</mark>		Test and Report	2.5 mg/dL

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. *Some geographic regions may test higher than 0.300 mg/mL. If this be the case, refer to GGT results less than 10 U/L to ensure FBS purity. The testing that has been performed as part of this lot release has been reviewed by Quality Assurance personnel and has confirmed that the testing meets the specifications presented on this Certificate of Analysis.

Name		Title	Date
•	Zuniga	OA Associate 1	28 JUN 2022