



Certificate of Analysis

Created June 14, 2017

Product: **No Worries™ Fetal Bovine Serum**
Triple 0.1µm sterile-filtered

Catalog #: 100-700
Lot #: A96F90H
Origin: Australia

Manufacture Date: Feb 2016
Expiration Date: Feb 2021

<i>TEST</i>	<i>METHODOLOGY</i>	<i>SPECIFICATION</i>	<i>RESULTS</i>
Biological Testing			
Endotoxin	USP<85>	<10.0 EU/mL	0.8 EU/mL
Hemoglobin	Fleming, AF and Woolf, AJ (1965)	<20.0 mg/dL	7.9 mg/dL
Microbiological Testing			
Sterility			
Bacteria	USP<71>	Not Detected	Not Detected
Fungi		Not Detected	Not Detected
Mycoplasma		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		Not Detected	Not Detected
Physical Testing			
Electrophoretic Pattern			
Osmolality	Cellulose Acetate	Normal	Normal
pH @ RT	USP<785>	260-350 mOsm/kg	275 mOsm/kg
	USP<791>	6.5 – 8.5	7.7



GEMINI
BIO-PRODUCTS

Biochemical Testing

Product:

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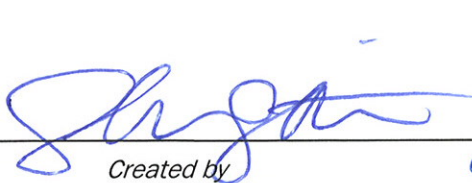
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TEST	METHODOLOGY	SPECIFICATION	RESULTS
Albumin		Test and Report	2.0 g/dL
Alkaline Phosphatase		Test and Report	196 U/L
ALT (SGPT)		Test and Report	9 U/L
AST (SGOT)		Test and Report	35 U/L
Bilirubin, Total		Test and Report	0.4 mg/dL
BUN		Test and Report	14 mg/dL
Calcium		Test and Report	2.88 mM
Chloride		Test and Report	82 mM
Cholesterol		Test and Report	35 mg/dL
Creatinine		Test and Report	1.8 mg/dL
Glucose		Test and Report	3.66 mM
IgG	ELISA	Test and Report	47.9 mg/mL
Iron, Serum		Test and Report	135 ug/dL
Phosphorus		Test and Report	2.49 mM
Potassium		Test and Report	8.2 mM
Protein, Total	Biuret	2.5-6.0 g/dL	4.0 g/dL
Sodium		Test and Report	124 mM
Uric Acid		Test and Report	2.6 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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