



Certificate of Analysis

Created April 10, 2014

Product: **FetalPlex™ Animal Serum Complex**
Triple 0.1µm sterile-filtered

Catalog #: 100-602

Lot #: J71J00F

Origin: United States (100%)

Manufacture Date: Mar 2014

Expiration Date: Mar 2019

TEST	METHODOLOGY	SPECIFICATION	RESULTS
Biological Testing			
Endotoxin	USP<85>	<10.0 EU/mL	<0.57 EU/mL
Hemoglobin	Fleming, AF and Woolf, AJ (1965)	<20.0 mg/dL	7.24 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
Extraneous Viruses (FAb)			
Bluetongue Virus		Not Detected	Not Detected
Bovine Adenovirus		Not Detected	Not Detected
Bovine Parvovirus		Not Detected	Not Detected
Bovine Viral Diarrhea		Tested	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>	Report	293 mOsm/kg
pH @ RT	USP<791>	Report	7.62



Biochemical Testing

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Albumin			2.9 g/dL
Alkaline Phosphatase			135.0 U/L
ALT (SGPT)			6.0 U/L
AST (SGOT)			44.0 U/L
Bilirubin, Total			0.2 mg/dL
BUN			9.0 mg/dL
Calcium			2.28 mM
Chloride			88.0 mM
Cholesterol			90.0 mg/dL
Cortisol			51.32 nM
Creatinine			0.9 mg/dL
Estrogen			52.90 pM
Glucose			4.33 mM
Insulin			81.68 pM
Iron, Serum			483 µg/dL
Phosphorus			2.97 mM
Potassium			8.8 mM
Progesterone			0.954 nM
Protein, Total	Biuret	Report	5.7 g/dL
Sodium			124.0 mM
Testosterone			2.67 nM
T3			2.13 nM
T4			98.71 nM
Triglycerides			20.0 mg/dL
Tetracycline			9 ng/mL
Uric Acid			2.0 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 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 bovine serum is traceable by lot number, date and country of collection. Our donor horse serum was collected from animals quarantined at a United States Department of Agriculture registered facility within the United States. Precipitates may develop in this product upon freezing and/or thawing; this occurrence does not impact culture performance.

Quality Assurance