



**Product:** **Charcoal:Dextran Stripped Fetal Bovine Serum**  
Triple 0.1µm sterile-filtered

**Catalog #: 100-119**  
**Lot #: A76G02J**  
**Origin: United States**

**Manufacture Date: Sep 2018**  
**Expiration Date: Sep 2023**

TEST	METHODOLOGY	SPECIFICATION	RESULTS
<b>Biological Testing</b>			
Endotoxin	USP<85>	<10.0 EU/mL	<0.1 EU/mL
Hemoglobin	Fleming, AF and Woolf, AJ (1965)	<20.0 mg/dL	7.62 mg/dL
<b>Microbiological Testing</b>			
<b>Sterility</b>			
Bacteria	USP<71>	Not Detected	Not Detected
Fungi		Not Detected	Not Detected
Mycoplasma	Barile, MF and Kern, J (1971)	Not Detected	Not Detected
<b>Viral Testing</b>			
Modified 9CFR113.53			
<b>BVDV</b>			
Type 1, 2 BVD, Cytopathic BVD		Not Detected	Not Detected
CPE - Giemsa (IBR)		Not Detected	Not Detected
Hemadsorbtion Agents (P13)		Not Detected	Not Detected
<b>Physical Testing</b>			
Electrophoretic Pattern	Cellulose Acetate	Normal	Normal
Osmolality	USP<785>	260-350 mOsm/kg	273 mOsm/kg
pH @ RT	USP<791>	6.5 - 8.5	7.51



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TEST	METHODOLOGY	SPECIFICATION	RESULTS	
			Pre-Strip	Post-Strip
Albumin				1.9 g/dL
Alkaline Phosphatase				224 U/L
ALT (SGPT)				6 U/L
AST (SGOT)				59 U/L
GGT		<10 U/L		4 U/L
Bilirubin, Total				0.1 mg/dL
BUN				12 mg/dL
Calcium				2.8 mM
Chloride				100 mM
Cholesterol				30 mg/dL
Cortisol			6.87	<5.5 nM
Creatinine				0.0 mg/dL
Estradiol			253	146 pM
Glucose				5.55 mM
Insulin			48.4	<18.9 pM
Iron, Serum				177 ug/dL
Phosphorus				3.29 mM
Potassium				>10.0 mM
Progesterone			<0.6	<0.6 nM
Protein, Total	Biuret	2.5-6.0 g/dL		3.4 g/dL
Sodium				137 mM
Testosterone			<0.03	<0.03 nM
T3			1.96	<0.154 nM
T4			193	64 nM
Triglycerides				68 mg/dL
Uric Acid				0.0 mg/dL

*For Cell Culture, further Manufacturing and Research use only. Not for direct Therapeutic use. Results shown were obtained prior to heat inactivation 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 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.*

*[Signature]* 04 MAR 2019  
**CREATED BY/ DATE**

*[Signature]* 04 MAR 2019  
**VERIFIED BY/ DATE**