



**Product:** **GemCell™ Adult Bovine Serum**  
0.2µm sterile-filtered

**Catalog #: 100-101**

**Lot #: C30H001**

**Origin: United States (100%)**

**Manufacture Date: July 2017**

**Expiration Date: July 2022**

TEST	METHODOLOGY	SPECIFICATION	RESULTS
<b>Biological Testing</b>			
Endotoxin	USP<85>		<2.5 EU/mL
Hemoglobin	Fleming, AF and Woolf, AJ (1965)	Report	22.88 mg/dL
<b>Microbiological Testing</b>			
Sterility			
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 9 CFR 113.53c			
Cytopathic Agents		Not Detected	Not Detected
Hemadsorbing Agents		Not Detected	Not Detected
Extraneous Viruses (FAb)			
Bluetongue Virus		Not Detected	Not Detected
Bovine Viral Diarrhea		Tested	Not Detected
<b>Physical Testing</b>			
Osmolality	USP<785>	Report	289 mOsm/kg
pH @ RT	USP<791>	Report	7.66

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TEST	METHODOLOGY	SPECIFICATION	RESULTS
Albumin		Test and Report	2.6 g/dL
Alkaline Phosphatase		Test and Report	66.0 U/L
ALT (SGPT)		Test and Report	19.0 U/L
AST (SGOT)		Test and Report	108.0 U/L
Bilirubin, Total		Test and Report	0.5 mg/dL
BUN		Test and Report	13.0 mg/dL
Calcium		Test and Report	2.33 mM
Chloride		Test and Report	94.0 mM
Cholesterol		Test and Report	128.0 mg/dL
Creatinine		Test and Report	0.9 mg/dL
Glucose		Test and Report	5.00 mM
Iron, Serum		Test and Report	90 ug/dL
Phosphorus		Test and Report	2.20 mM
Potassium		Test and Report	7.1 mM
Protein, Total	Biuret	Test and Report	7.8 g/dL
Sodium		Test and Report	139 mM
Triglycerides		Test and Report	16.0 mg/dL
Uric Acid		Test and Report	1.1 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. Precipitates may develop in this product upon freezing and/or thawing; this occurrence does not impact culture performance.*

  
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Created by

  
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