

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

Catalog #: 100-101
Lot #: C06H001
Origin: United States (100%)

Manufacture Date: Feb 2017
Expiration Date: Feb 2022

<i>TEST</i>	<i>METHODOLOGY</i>	<i>SPECIFICATION</i>	<i>RESULTS</i>
Biological Testing			
Endotoxin	USP<85>		0.893 EU/mL
Hemoglobin	Fleming, AF and Woolf, AJ (1965)	Report	13.57 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			
	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
Physical Testing			
Osmolality	USP<785>	Report	293 mOsm/kg
pH @ RT	USP<791>	Report	7.56

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Albumin			2.5 g/dL
Alkaline Phosphatase			55.0 U/L
ALT (SGPT)			13.0 U/L
AST (SGOT)			80.0 U/L
Bilirubin, Total			0.2 mg/dL
BUN			13.0 mg/dL
Calcium			2.23 mM
Chloride			93.0 mM
Cholesterol			112.0 mg/dL
Creatinine			0.7 mg/dL
Glucose			3.94 mM
Iron, Serum			95 µg/dL
Phosphorus			2.23 mM
Potassium			6.6 mM
Protein, Total	Biuret	Report	7.7 g/dL
Sodium			136.0 mM
Triglycerides			13.0 mg/dL
Uric Acid			1.0 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. Precipitates may develop in this product upon freezing and/or thawing; this occurrence does not impact culture performance.


Quality Assurance