



Product: **BenchMark™ Fetal Bovine Serum**
Heat Inactivated*
Triple 0.1µm sterile-filtered

Catalog #: 100-106
Lot #: A91G00K
Origin: Mexico (100%)

Manufacture Date: May 2019
Expiration Date: May 2024

TEST	METHODOLOGY	SPECIFICATION	RESULTS
Biological Testing			
Endotoxin	USP<85>	<10.0 EU/mL	1.03 EU/mL
Hemoglobin	Fleming, AF and Woolf, AJ (1965)	<20.0 mg/dL	12.2 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
Bovine Viral Diarrhea Ab Titer			
Type I		Test and Report	1:2
Type II		Test and Report	1:2
Extraneous Viruses (FAB)			
Bluetongue Virus		Not Detected	Not Detected
Bovine Adenovirus		Not Detected	Not Detected
Bovine Parvovirus		Not Detected	Not Detected
Bovine Viral Diarrhea (cytopathic)		Not Detected	Not Detected
Bovine Viral Diarrhea (non-cytopathic)		Test and Report	Tested
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>	260-350 mOsm/kg	312 mOsm/kg
pH @ RT	USP<791>	6.5 - 8.5	7.33



Created July 25, 2019

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Albumin		Test and Report	2.2 g/dL
Alkaline Phosphatase		Test and Report	209 U/L
ALT (SGPT)		Test and Report	5 U/L
AST (SGOT)		Test and Report	33 U/L
GGT		<10 U/L	4 U/L
Bilirubin, Total		Test and Report	0.3 mg/dL
BUN		Test and Report	16 mg/dL
Calcium		Test and Report	3.2 mM
Chloride		Test and Report	100 mM
Cholesterol		Test and Report	29 mg/dL
Cortisol		Test and Report	6.70 nM
Creatinine		Test and Report	2.6 mg/dL
Estradiol		Test and Report	140 pM
Glucose		Test and Report	4.0 mM
IgG	ELISA	Test and Report	<0.300 mg/mL*
Insulin		Test and Report	0.243 mg/mL
Iron, Serum		Test and Report	50.6 pM
Phosphorus		Test and Report	166 ug/dL
Potassium		Test and Report	3.0 mM
Progesterone		Test and Report	>10.0 mM
Protein, Total	Biuret	Test and Report	<0.2 nM
Sodium		2.5-6.0 g/dL	3.4 g/dL
Testosterone		Test and Report	136 mM
T3		Test and Report	<0.03 nM
T4		Test and Report	1.60 nM
Triglycerides		Test and Report	158 nM
Tetracycline		Test and Report	66 mg/dL
Uric Acid		<4 ng/mL	Pass
		Test and Report	2.2 mg/dL

For Cell Culture, further Manufacturing and Research use only. Not for direct Therapeutic use.

*Results shown were obtained by carefully performed methods believed to be reliable prior to heat Inactivation. 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.

*Some geographic regions may test higher than 0.300 mg/mL. If this be the case, refer to GGT results less than 10 U/L to

CREATED BY/ DATE

VERIFIED BY/ DATE

M. H. H. 25 JUL 2019

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