

Created May 1, 2019

Product:

Foundation™ Fetal Bovine Serum

Triple 0.1µm sterile-filtered

Catalog #: 900-108 Lot #: A73G00K Origin: Mexico (100%)

Manufacture Date: Feb 2019 **Expiration Date: Feb 2024**

TEST	M ETHODOLOGY	SPECIFICATION	RESULTS
Biological Testing			
Endotoxin	USP<85>	<50.0 EU/mL	1.14 EU/mL
Hemoglobin	Fleming, AF and Woolf, AJ (1965)	<40.0 mg/dL	14.7 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	1:4
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 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 m0sm/kg	327 mOsm/kg
pH @ RT	USP<791>	6.5 - 8.5	7.27



Biochemical Testing

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Oligini	ongin. Mexico (200%)		LAP	Expiration butc. 1 cb LoL4		
T	EST	M ETHODOLOGY	SPECIFICATION	RESULTS		
Al	bumin		Test and Report	2.3	g/dL	
Al	kaline Phosphatase		Test and Report	208	U/L	
Al	_T (SGPT)		Test and Report	5	U/L	
AS	ST (SGOT)		Test and Report	29	U/L	
G	GT		<10 U/L	5	U/L	
Bi	lirubin, Total		Test and Report	0.2	mg/dL	
Bl	UN		Test and Report	15	mg/dL	
Ca	alcium		Test and Report	3.2	mM	
CI	nloride		Test and Report	100	mM	
CI	nolesterol	9	Test and Report	30	mg/dL	
Co	ortisol		Test and Report	<5.52	nM	
Cr	reatinine		Test and Report	2.5	mg/dL	
Es	stradiol		Test and Report	154	pM	
GI	lucose		Test and Report	4.6	mM	
lg	G	ELISA	<0.300 mg/mL*	0.067	mg/mL	
In	sulin		Test and Report	37.8	pM	
Iro	on, Serum		Test and Report	164	ug/dL	
Pł	nosphorus		Test and Report	3.0	mM	
Po	otassium		Test and Report	>10.0	mM	
Pr	rogesterone		Test and Report	<0.19	nM	
Pr	rotein, Total	Biuret	2.5-6.0 g/dL	3.5	g/dL	
Sc	odium		Test and Report	138	mM	
Te	estosterone		Test and Report	<0.03	nM	
T3	3		Test and Report	1.62	nM	
T/	1		Test and Report	158	nM	
Tr	iglycerides		Test and Report	69	mg/dL	
Te	etracycline		<4 ng/mL	Pass		
Ur	ric Acid		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. 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 ensure FBS purity.

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VERIFIED BY/ DATE