

**Fetal Bovine Serum –Triple 0.1 µm Sterile Filtered, US origin**

Product number: FBS-BBT-XXX Lot Number: 20140319FS  
 Date of Manufacture: 03/2014 Expiration date: 03/2019  
 Storage temperature: -5 to -20°C



Not for human or animal consumption

**Basis for Release**

Chemical Analysis				Microbiological Analysis			
Test	Method	Specification	Result	Test	Method	Specification	Result
Total Protein	Chemistry Analyzer	≤ 45 g/L	33 g/L	Sterility	9CFR 113.26	No growth	No Growth
Albumin	Chemistry Analyzer	≤ 25.0 g/L	8 g/L	Mycoplasma	9CFR 113.28	Not Detected	Not Detected
Globulin	Chemistry Analyzer	As reported	2.5 g/dL	Endotoxin	KCA	< 10.0 EU/ml	< 0.3 EU/ml
Bilirubin	Chemistry Analyzer	As reported	0.4 mg/dL	<b>Viral Analysis</b>			
ALT	Chemistry Analyzer	As reported	7 U/L	<b>Test</b>	<b>Method</b>	<b>Specification</b>	<b>Result</b>
AST	Chemistry Analyzer	As reported	111 U/L	BVD Cytopathic	9CFR 113.53	Not Detected	Not Detected
Cholesterol	Chemistry Analyzer	As reported	< 50 mg/dL	BVD Non- Cytopathic	9CFR 113.53	Tested	Tested
Glucose	Chemistry Analyzer	As reported	94 mg/dL	PI3	9CFR 113.53	Not Detected	Not Detected
Urea	Chemistry Analyzer	As reported	13 mg/dL	IBR	9CFR 113.53	Not Detected	Not Detected
Creatinine	Chemistry Analyzer	As reported	2.3 mg/dL	Bovine Adeno 3	9CFR 113.53	Not Detected	Not Detected
Sodium	Chemistry Analyzer	As reported	137.0 mmol/L	Bovine Adeno 5	9CFR 113.53	Not Detected	Not Detected
Potassium	Chemistry Analyzer	As reported	10.7 mmol/L	BRSV	9CFR 113.53	Not Detected	Not Detected
Calcium	Chemistry Analyzer	As reported	13.9 mg/dL	REO Virus	9CFR 113.53	Not Detected	Not Detected
Phosphorus	Chemistry Analyzer	As reported	10.0 mg/dL	Rabies	9CFR 113.53	Not Detected	Not Detected
Osmolality	Osmometer	As reported	312 mOsm/kg	Blue Tongue	9CFR 113.53	Not Detected	Not Detected
Hemoglobin	CTQC12	≤ 25.0 mg/dL	10.2 mg/dL	<b>Identity Analysis</b>			
pH	pH meter	6.80 – 8.20	7.44	<b>Test</b>	<b>Method</b>	<b>Specification</b>	<b>Result</b>
IgG	ELISA	As reported	144 ug/mL	Serum Identity	Electrophoresis	Characteristic	Characteristic
				Appearance	Visual	Clear yellow- amber	Clear yellow- amber

**STATEMENT OF ORIGIN**

This serum has been derived from blood aseptically collected in approved abattoirs in the United States of America. The serum was aseptically processed and filter sterilized in the US. The country of origin of the crude blood (donor cow origin) is the United States.

**Approval**

Quality Assurance – Print Name: <i>Emily Villegas</i>	Quality Assurance – Sign Name: <i>Emily Villegas</i>	Date: 04/30/2014
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**PRODUCT MEETS EUROPEAN UNION REQUIREMENTS FOR PRODUCTION OF TECHNICAL BLOOD PRODUCTS**