

**Fetal Bovine Serum–Triple 0.1 µmSterile Filtered, USorigin**

Product number: FBS-BBT-XXX Lot Number: 20140611FS  
 Date of Manufacture: 06/2014 Expiration date: 06/2019  
 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	36 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	2.8 g/dL	Endotoxin	KCA	< 10.0 EU/ml	< 0.1EU/mL
Bilirubin	Chemistry Analyzer	As reported	0.6 mg/dL	Viral Analysis			
ALT	Chemistry Analyzer	As reported	9 U/L	Test	Method	Specification	Result
AST	Chemistry Analyzer	As reported	107 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	89 mg/dL	PI3	9CFR 113.53	Not Detected	Not Detected
Urea	Chemistry Analyzer	As reported	15 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	135.0mmol/L	Bovine Adeno 5	9CFR 113.53	Not Detected	Not Detected
Potassium	Chemistry Analyzer	As reported	11.0mmol/L	BRSV	9CFR 113.53	Not Detected	Not Detected
Calcium	Chemistry Analyzer	As reported	13.8 mg/dL	REO Virus	9CFR 113.53	Not Detected	Not Detected
Phosphorus	Chemistry Analyzer	As reported	9.9 mg/dL	Rabies	9CFR 113.53	Not Detected	Not Detected
Osmolality	Osmometer	As reported	311mOsm/kg	Blue Tongue	9CFR 113.53	Not Detected	Not Detected
Hemoglobin	Spectro. Assay	≤ 25.0 mg/dL	10.0 mg/dL	Identity Analysis			
pH	pH meter	6.80 – 8.20	7.39	Test	Method	Specification	Result
IgG	ELISA	As reported	113 µg/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>Desiree James</i>	Quality Assurance – Sign Name: <i>Desiree James</i>	Date: <i>07/22/14</i>
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**PRODUCT MEETS EUROPEAN UNION REQUIREMENTS FOR PRODUCTION OF TECHNICAL BLOOD PRODUCTS**