

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

Product number: FBS-BBT-XXX Lot Number: 20140616FS
 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	35 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	2.7 g/dL	Endotoxin	KCA	< 10.0 EU/mL	< 1.0 EU/mL
Bilirubin	Chemistry Analyzer	As reported	0.4 mg/dL	Viral Analysis			
ALT	Method	Specification	Result	Test	Method	Specification	Result
ALT	Chemistry Analyzer	As reported	8 U/L	BVD Cytopathic	9CFR 113.53	Not Detected	Not Detected
AST	Chemistry Analyzer	As reported	93 U/L	BVD Non- Cytopathic	9CFR 113.53	Tested	Tested
Cholesterol	Chemistry Analyzer	As reported	<50 mg/dL	PI3	9CFR 113.53	Not Detected	Not Detected
Glucose	Chemistry Analyzer	As reported	95 mg/dL	IBR	9CFR 113.53	Not Detected	Not Detected
Urea	Chemistry Analyzer	As reported	14 mg/dL	Bovine Adeno 3	9CFR 113.53	Not Detected	Not Detected
Creatinine	Chemistry Analyzer	As reported	2.3 mg/dL	Bovine Adeno 5	9CFR 113.53	Not Detected	Not Detected
Sodium	Chemistry Analyzer	As reported	131.0 mmol/L	BRSV	9CFR 113.53	Not Detected	Not Detected
Potassium	Chemistry Analyzer	As reported	10.2 mmol/L	REO Virus	9CFR 113.53	Not Detected	Not Detected
Calcium	Chemistry Analyzer	As reported	13.4 mg/dL	Rabies	9CFR 113.53	Not Detected	Not Detected
Phosphorus	Chemistry Analyzer	As reported	9.2 mg/dL	Blue Tongue	9CFR 113.53	Not Detected	Not Detected
Osmolality	Osmometer	As reported	292 mOsm/kg	Identity Analysis			
Hemoglobin	Method	Specification	Result	Test	Method	Specification	Result
Hemoglobin	Spectro. Assay	≤ 25.0 mg/dL	9.2 mg/dL	Serum Identity	Electrophoresis	Characteristic	Characteristic
pH	pH meter	6.80 – 8.20	7.36	Appearance	Visual	Clear yellow-amber	Clear yellow-amber
IgG	ELISA	As reported	92.3 µg/mL				

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>07/23/14</i>
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PRODUCT MEETS EUROPEAN UNION REQUIREMENTS FOR PRODUCTION OF TECHNICAL BLOOD PRODUCTS