

### Calf Serum -0.2µm Filtered, Iron Fortified, US origin

Product number: CSF-BIF-XXX Lot Number: 20150819CS  
 Date of Manufacture: 08/2015 Expiration Date: 08/2020  
 Storage temperature: -5 to -20°C



Not for human or animal consumption

#### Basis for Release

Chemical Analysis			Microbiological Analysis		
Test	Specification	Result	Test	Specification	Result
Osmolality	260-340 mOsm/Kg	292 mOsm/Kg	Sterility 9CFR 113.26	No growth	No growth
pH	As Reported	7.56	Mycoplasma 9CFR 113.28	Not Detected	Not Detected
Hemoglobin	< 25 mg/dL	11.9 mg/dL	Endotoxin	As Reported	< 2 EU/mL
Total Protein	As Reported	7.4 g/dL	<b>Viral Analysis</b> 9CFR 113.46, 47, 53		
Albumin	As Reported	3.6 g/dL	<b>Test</b>	<b>Specification</b>	<b>Result</b>
Globulin	As Reported	3.8 g/dL	BVD Cytopathic	Not Detected	Not Detected
GGT	As Reported	30 U/L	BVD Non- Cytopathic	Tested	Not Detected
Triglyceride	As Reported	21 mg/dL	PI3 Hemadsorbing	Not Detected	Not Detected
CK	As Reported	483 U/L	IBR Cytopathic	Not Detected	Not Detected
Iron	As Reported	547 µg/dL	Bovine Adeno 3	Not Detected	Not Detected
Iron Binding Capacity	As Reported	582 µg/dL	Bovine Adeno 5	Not Detected	Not Detected
% Saturation	As Reported	94%	BRSV	Not Detected	Not Detected
Magnesium	As Reported	2 mg/dL	BPV	Not Detected	Not Detected
Bilirubin	As Reported	0.4 mg/dL	Reovirus	Not Detected	Not Detected
ALT	As Reported	17 U/L	Rabies	Not Detected	Not Detected
AST	As Reported	96 U/L	Blue Tongue	Not Detected	Not Detected
Cholesterol	As Reported	119 mg/dL	<b>Identity Analysis</b>		
Glucose	As Reported	59 mg/dL	<b>Test</b>	<b>Specification</b>	<b>Result</b>
Urea	As Reported	7 mg/dL	Serum Identity	Characteristic	Characteristic
Creatinine	As Reported	0.8 mg/dL	Appearance	Clear yellow-amber	Clear yellow-amber
Sodium	As Reported	140 mEq/L			
Chloride	As Reported	99 mEq/L			
Potassium	As Reported	5.6 mEq/L			
Calcium	As Reported	10.2 mg/dL			
Phosphorus	As Reported	9 mg/dL			

#### STATEMENT OF ORIGIN

This serum has been derived from blood collected in approved abattoirs. The serum was processed and filtered in the USA. The country of origin of the crude blood, (bovine origin), is the United States.

#### Approval

Quality Assurance – Print Name: <i>Terri Sorensen</i>	Quality Assurance – Sign Name: <i>TSorensen</i>	Date: <i>11/24/15</i>
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