

### Newborn Calf Serum– 0.2µm Filtered, US origin

Product number: NBS-BBT-XXX Lot Number: 20150515NB  
 Date of Manufacture: 05/2015 Expiration date: 05/2020  
 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	308 mOsm/Kg	Sterility 9CFR 113.26	No growth	No growth
pH	6.8-7.8	7.68	Mycoplasma 9CFR 113.28	Not Detected	Not Detected
Hemoglobin	< 25 mg/dL	3.94 mg/dL	Endotoxin	< 10.0 EU/mL	< 2.0 EU/mL
Total Protein	As Reported	4.9 g/dL	<b>Viral Analysis</b> 9CFR 113.46, 47, 53		
Albumin	As Reported	2.7 g/dL	<b>Test</b>	<b>Specification</b>	<b>Result</b>
CK	As Reported	423 U/L	BVD	Not Detected	Not Detected
GGT	As Reported	646 U/L	PI3	Not Detected	Not Detected
Triglyceride	As Reported	49 mg/dL	IBR	Not Detected	Not Detected
Globulin	As Reported	2.2 g/dL	Bovine Adeno 3	Not Detected	Not Detected
Bicarbonate	As Reported	19 mmol/L	Bovine Adeno 5	Not Detected	Not Detected
Iron	As Reported	75 µg/dL	BRSV	Not Detected	Not Detected
Magnesium	As Reported	3.0 mg/dL	REO Virus	Not Detected	Not Detected
Bilirubin	As Reported	0.8 mg/dL	Rabies	Not Detected	Not Detected
ALT	As Reported	13 U/L	Blue Tongue	Not Detected	Not Detected
AST	As Reported	96 U/L	<b>Identity Analysis</b>		
Cholesterol	As Reported	< 50 mg/dL	<b>Test</b>	<b>Specification</b>	<b>Result</b>
Glucose	As Reported	219 mg/dL	Serum Identity	Characteristic	Characteristic
Urea	As Reported	16 mg/dL	Appearance	Clear yellow-amber	Clear yellow-amber
Creatinine	As Reported	1.2 mg/dL			
Sodium	As Reported	141 mmol/L			
Chloride	As Reported	103 mmol/L			
Potassium	As Reported	8.0 mmol/L			
Calcium	As Reported	11.8 mg/dL			
Phosphorus	As Reported	8.5 mg/dL			
IgG	As Reported	6450 µg/mL			

#### STATEMENT OF ORIGIN

This serum was 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>Desiree James</i>	Quality Assurance – Sign Name: <i>Desiree James</i>	Date: <i>07/16/15</i>
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PRODUCT MEETS EUROPEAN UNION REQUIREMENTS FOR PRODUCTION OF TECHNICAL BLOOD PRODUCTS