

**Newborn Calf Serum- Sterile Filtered**

Product number: RMB-006-251

Lot Number: 20130429NB

Storage temperature: -10 to -30 °C

Expiration Date: 05/2016

*Not for human or animal consumption*

**Product Integrity Analysis**

<u>TEST</u>	<u>SPECIFICATION</u>	<u>RESULT</u>
Endotoxin	< 10 EU/mL	< 2.0 EU/mL
Hemoglobin	< 25 mg/dL	0.2 mg/dL
Mycoplasma	Not Detected	Not Detected
Sterility	No Growth	Not Growth
pH	6.8 - 7.8	7.8
Osmolarity	260 - 340 mOsm/kg	312 mOsm/kg
Total Protein	3.5 - 6.0 gm/dL	5.8 gm/dL
Electrophoretic ID	Characteristic	Characteristic
Adventitious Agents		
BVD	Not Detected	Not Detected
IBR	Not Detected	Not Detected
PI3	Not Detected	Not Detected
REO	Not Detected	Not Detected
Parvo	Not Detected	Not Detected
Rabies	Not Detected	Not Detected
BRSV	Not Detected	Not Detected
Blue Tongue	Not Detected	Not Detected
BAV 3	Not Detected	Not Detected
BAV 5	Not Detected	Not Detected
Cytopathic Agents	Not Detected	Not Detected
Hemadsorbing Agents	Not Detected	Not Detected

**Biochemical Analysis**

<u>COMPONENT</u>	<u>AMOUNT</u>
Triglyceride	51 mg/dL
Glucose	217 mg/dL
Creatinine	1.3 mg/dL
Phosphorus	8.4 mg/dL
Calcium	11.2 mg/dL
Magnesium	2.9 mg/dL
Albumin	0.9 gm/dL
Globulin	4.9 gm/dL
IgG	25000 µg/mL
Cholesterol	< 50 mg/dL
Bilirubin	0.6 mg/dL
CK	281 IU/L
AST	110 IU/L
GGT	1434 IU/L
Sodium	142 meq/L
Potassium	8.1 meq/L
Chloride	101 meq/L
Bicarbonate	18.0 meq/L
Iron	84 µg/dL
Tetracycline	< 10 µg/kg
Doxycycline	< 20 µg/kg
Oxytetracycline	< 10 µg/kg
Chlortetracycline	< 10 µg/kg

Newborn calf serum is derived from healthy animals less than 10 days old from the contiguous United States having no reportable diseases or from fetuses harvested from healthy dams fit for human consumption.

**Approval**

Print Name: <i>Emily Villegas</i>	Sign Name: <i>Emily Villegas</i>	Date: <i>06/25/13</i>
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