

**Newborn Calf Serum- Sterile Filtered**

Product number: RMB-006-251

Lot Number: 1106211

Storage temperature: -10 to -30 °C

Expiration Date: 06/2015

*Not for human or animal use.*

**Product Integrity Analysis**

<u>TEST</u>	<u>SPECIFICATION</u>	<u>RESULT</u>
Endotoxin <sup>1</sup>	< 10 EU/mL	0.88 EU/mL
Hemoglobin <sup>2</sup>	< 25 mg/dL	14.0 mg/dL
Mycoplasma <sup>3</sup>	Not Detected	Not Detected
Sterility <sup>4</sup>	No Growth	No Growth
pH <sup>5</sup>	6.8 - 7.8	7.8
Osmolarity <sup>6</sup>	260 - 340 mOsm/kg	299 mOsm/kg
Total Protein <sup>7</sup>	3.5 - 6.0 gm/dL	5.7 gm/dL
Electrophoretic ID <sup>8</sup>	Characteristic	Characteristic
Adventitious Agents <sup>9</sup>		
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	20 mg/dL
Glucose	79 mg/dL
Creatinine	1.1 mg/dL
Phosphorus	7.5 mg/dL
Calcium	11.6 mg/dL
Magnesium	2.3 mg/dL
Albumin	2.8 gm/dL
Globulin	2.9 gm/dL
IgG	10300 µg/mL
Cholesterol	40 mg/dL
Bilirubin	0.6 mg/dL
CK	133 IU/L
AST	21 IU/L
GGT	283 IU/L
Sodium	144 meq/L
Potassium	5.3 meq/L
Chloride	101 meq/L
Bicarbonate	26.7 meq/L
Iron	89 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**

<b>Print Name:</b> <i>William D. Poff</i>	<b>Sign Name:</b> <i>William D. Poff</i>	<b>Date:</b> <i>05/09/2013</i>
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