

NEWBORN CALF SERUM, *IRON FORTIFIED, STERILE FILTERED***Catalogue no.:** 075350, 075310, 075305**Lot no.:** 87290**Exp. Date:** 04/2025**MSDS:** Available upon request**Shipping:** Frozen on dry ice**Storage:** Store frozen at -20°C**CHEMICAL ANALYSIS**

TEST	SPECIFICATION	UNITS	RESULTS
ALT	Check & Record	U/L	528
ALP	< 700	U/L	166
AST	<50	U/L	30
BHB	Check & Record	umol/L	233
Bilirubin (Total)	0.1 – 1.0	mg/dL	0.54
Calcium	Check & Record	mg/dL	6.33
Chloride	Check & Record	mmol/L	99.00
Cholesterol	Check & Record	mg/dL	53.36
CK	Check & Record	U/L	228
Creatinine	Check & Record	mg/dL	0.72
GLDH	Check & Record	U/L	19.00
Globulin	Check & Record	g/dL	3.41
Glucose	50 - 200	mg/dL	70.28

CHEMICAL ANALYSIS (contd.)

TEST	SPECIFICATION	UNITS	RESULTS
Iron	Check & Record	µg/dL	454.34
Lactic Dehydrogenase (LDH)	< 1500	U/L	449.00
Magnesium	Check & Record	mmol/L	0.66
Osmolality	275 - 320	mOsm/kg	277
pH	6.8-8.4	NA	8.03
Phosphorus	1.0 - 12	mg/dL	8.77
Potassium	Check & Record	mmol/L	4.96
Sodium	125 - 150	mmol/L	131.9
Total Protein (Biuret)	5.5 -8.00	g/dL	5.56
Triglycerides (TG)	Check & Record	mmol/L	0.27
Uric Acid	Check & Record	mg/dL	0.67
Urea	1.61-6.51	mmol/L	4.50

MICROBIOLOGICAL ANALYSIS

TEST	SPECIFICATION	UNITS	RESULTS
Sterility	Pass	NA	Sterile
Mycoplasma Species	Negative	NA	Negative
Hemoglobin	<45.0	mg/dL	41.06
Endotoxin	<10.0	EU/mL	Conform

ADVENTITIOUS VIRUS

TEST	RESULTS
Infectious Bovine Rhinotracheitis (IBR)	Positive
Bovine Viral diarrhea (BVD)	Positive

ANTIBODY VIRUS NEUTRALIZATION

TEST	RESULTS
Para Influenza 3 (PI-3)	Positive
Adenovirus	Positive
Bovine Viral diarrhea (BVD)	Positive
Herpes (BHV4)	Positive
Infectious Bovine Rhinotracheitis (IBR)	Positive
Fievre Q	Negative
Bovine Respiratory Syncytial Virus (BRSV)	Positive

HORMONES ANALYSIS

TEST	SPECIFICATION	UNITS	RESULTS
Insulin	Check & Record	pmol/L	31.25
	Estrus:10-40		
Estradiol	Pregnancy 6 months or less: < 20	pg/ml	20.97
	Pregnancy 9 month: > 50		

SERUM PROTEIN ELECTROPHORESIS

TEST	SPECIFICATION	UNITS	RESULTS
Albumin	1.6 – 2.8	g/dL	2.00
Alpha 1 Globulin	Check & Record	g/dL	1.14
Beta Globulin	Check & Record	g/dL	0.99
Gamma Globulin	Check & Record	g/dL	1.22
A/G ratio	Check & Record	-----	0.60

THIS PRODUCT IS INTENDED FOR IN VITRO DIAGNOSTIC USE ONLY. IT IS NOT INTENDED FOR HUMAN OR THERAPEUTIC USE.

CERTIFICATE OF ORIGIN

This is to certify that the raw Newborn calf serum used in the manufacture of Newborn Calf Serum iron fortified Lot: 87290 was collected from New Zealand registered export abattoirs under the supervision of Government Veterinary authorities and Official Veterinarians and approved by the USDA. A completed and signed declaration of Animal Status Declaration form provides a true and accurate description of animal health at the point of consignment. New Zealand is free from BSE-TSE, Foot and Mouth and all OIE list A diseases.