

CERTIFICATE OF ANALYSIS

Donor Horse Serum

Lot#: A18064

Manufactured Date: Oct 2018
 Country of Raw Material Origin: US
 Filtration: Triple 0.1µm filtered

Expiration Date: Oct 2023
 Country of Final Processing: United States
 Storage: ≤ -20°C

TEST	UOM	SPECIFICATIONS	RESULTS
IDENTITY ANALYSIS			
Appearance	Visual	Clear to Amber to Reddish Liquid	Pass
Alpha 1	g/dL	Report	0.37
Alpha 2	g/dL	Report	0.77
Beta 1	g/dL	Report	0.74
Beta 2	g/dL	Report	0.44
Gamma	g/dL	Report	1.6
MICROBIOLOGICAL ANALYSIS			
Endotoxin	EU/mL	≤5.0	<1.0
Mycoplasma	N/A	Not Detected	Not Detected
Sterility	N/A	Negative for Growth	Negative for Growth
CHEMICAL ANALYSIS			
Albumin	g/dL	Report	2.9
ALT (SGPT)	U/L	Report	< 6.0
AST	U/L	Report	214
Bilirubin	mg/dL	Report	<0.1
Calcium	mg/dL	Report	11.4
Cholesterol	mg/dL	Report	78
Creatinine	mg/dL	Report	1.0
Globulin	g/dL	Report	3.7
Glucose	mg/dL	Report	56
Osmolality	mOsm/Kg	260-350	283
pH at RT	N/A	6.5-8.5	8.0
Phosphorus	mg/dL	Report	3.5
Potassium	mEq/L	Report	4.2
Sodium	mEq/L	Report	139
Total Protein	g/dL	5.0-7.5	6.6
GGT	U/L	Report	16
Hemoglobin	mg/dL	≤ 20	4.0
Magnesium	mg/dL	Report	1.8
Triglyceride	mg/dL	Report	19
Uric Acid	mg/dL	Report	0.5

This material used in this product was collected in the United States under the care of a licensed veterinarian.

CAUTION: This material is intended for further manufacturing use.
 THIS PRODUCT IS NOT INTENDED FOR HUMAN OR THERAPEUTIC USE

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Print Name: Jennifer Goodman

Date: 11/29/18

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