

## CERTIFICATE OF ANALYSIS

### Donor Horse Serum

<b>Batch/Lot No:</b>	GMP24BS85	<b>Expiration Date:</b>	May 2026
<b>Catalog No:</b>	SER70-H	<b>Storage:</b>	≤ -10°C
<b>Country of Raw Material Origin:</b>	Chile	<b>Appearance:</b>	Clear straw to amber liquid
<b>Country of Final Manufacturing:</b>	United States	<b>Filtration:</b>	Sterile 0.2 um membrane filtered
<b>Date of Manufacture:</b>	May 2021		

#### Chemical Parameters

Test	Methodology	Unit of Measure	Specification	Results
Alkaline Phosphatase	Chemistry Analyzer	IU/L	As Reported	221.0
ALT (SGPT)	Chemistry Analyzer	IU/L	As Reported	8.0
AST (SGOT)	Chemistry Analyzer	IU/L	As Reported	259.0
Bilirubin	Chemistry Analyzer	mg/dL	As Reported	0.2
Calcium	Chemistry Analyzer	mg/dL	As Reported	10.6
Chloride	Chemistry Analyzer	mEq/L	As Reported	96.0
Cholesterol	Chemistry Analyzer	mg/dL	As Reported	73.0
Creatinine	Chemistry Analyzer	mg/dL	As Reported	1.0
GGT	Chemistry Analyzer	IU/L	As Reported	10.0
Glucose	Chemistry Analyzer	mg/dL	As Reported	52.0
Hemoglobin	USP <90>	mg/dL	As Reported	25.35
Iron	Chemistry Analyzer	µg/dL	As Reported	254.0
LDH	Chemistry Analyzer	IU/L	As Reported	526.0
Magnesium	Chemistry Analyzer	mEq/L	As Reported	1.4
Osmolality	Osmometer	mOsm/kg H <sub>2</sub> O	As Reported	296.0
pH	pH Meter		As Reported	7.4
Phosphate	Chemistry Analyzer	mg/dL	As Reported	3.7
Potassium	Chemistry Analyzer	mEq/L	As Reported	4.7
Sodium	Chemistry Analyzer	mEq/L	As Reported	135.0
Total Protein	Chemistry Analyzer	g/dL	As Reported	6.3
Triglycerides	Chemistry Analyzer	mg/dL	As Reported	48.0
Urea Nitrogen (BUN)	Chemistry Analyzer	mg/dL	As Reported	19.0
Uric Acid	Chemistry Analyzer	mg/dL	As Reported	0.6

#### Microbiological Parameters

Test	Methodology	Unit of Measure	Specification	Results
Endotoxin	LAL	EU/mL	≤ 10	0.43
Mycoplasma	PCR		Not Detected	Not Detected
Sterility				
Bacteria	9CFR 113.26		No Growth	No Growth
Fungi	9CFR 113.26		No Growth	No Growth

#### Viral Testing

Test	Methodology	Specification	Results
Equine Infectious Anemia	AGID	Not Detected	Not Detected

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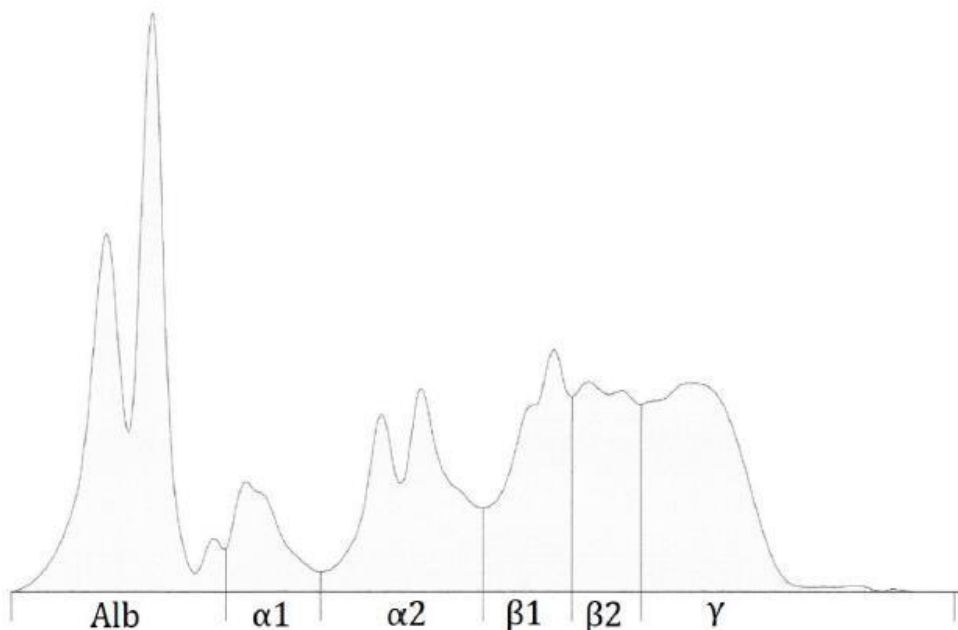
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#### Protein Electrophoresis

Test	Unit of Measure	Specification	Results
Albumin	g/dL	As Reported	1.90
Alpha Globulins 1 & 2	g/dL	As Reported	1.40
Beta Globulins 1 & 2	g/dL	As Reported	1.70
Gamma Globulins	g/dL	As Reported	1.30

#### Protein Electrophoresis



**Test results reviewed and approved by\***

May 25, 2021

Approved by/Date

May 27, 2021

Verify by/Date

*\* Test results for this product may have been obtained from third-party certified testing facilities. Results are believed to be accurate but have not been verified by GMP Bioscience. GMP Bioscience relies on the integrity of third-party testing facilities and conducts periodic audits of those facilities. Such audits provided GMP Bioscience with sufficient confidence in the facilities' level of compliance.*