

CERTIFICATE OF ANALYSIS

Human Male AB Off-The-Clot Serum

Lot#: A18049

Expiration Date: August 31, 2023

Preservative: None

Country of Final Processing: United States

Storage: ≤ -20°C

Shipping: Material shipped by Air Freight or Truck at ≤ -20°C

Filtration: Triple 0.1 μm Sterile Filter

TEST	SPECIFICATION	RESULTS	UOM
Appearance	Straw yellow to clear amber	Pass	N/A
Hemoglobin	≤ 30	1.2	mg/dL
Endotoxin	≤10.0	<0.30	EU/mL
Mycoplasma	Negative	Negative	N/A
Osmolality	260 – 350	286	mOsm/kg
Sterility	Negative for Growth	Negative for Growth	N/A
pH	7.0 – 9.0	7.45	N/A
BIOCHEMICAL ASSAY			
AST (SGOT)	Report result	15	U/L
ALT (SGPT)	Report result	7	U/L
Total Bilirubin	Report result	<0.150	mg/dL
Blood Urea Nitrogen (BUN)	Report result	12	mg/dL
Cholesterol	110 – 210	145	mg/dL
Glucose	60 – 140	95	mg/dL
Triglyceride	35 – 175	77	mg/dL
Creatinine	Report result	0.9	mg/dL
Total Protein	4.0 – 9.0	6.6	g/dL
Albumin	Report result	4.0	g/dL
Globulin	Report result	2.5	g/dL
A/G Ratio (Calc)	Report result	1.6	N/A
Albumin/Creatinine Ratio	Report result	4.5	g/mg Cr
Carbon Dioxide	Report result	23	mEq/L
Calcium	< 12	8.7	mg/dL
Potassium	Report result	4.6	mEq/L
Sodium	100 – 200	140	mmol/L
Chloride	85 – 130	102	mmol/L
Alkaline Phosphatase	Report result	43	U/L
Phosphorus	Report result	3.4	mg/dL
Iron	35 – 180	76	ug/dL
SPECIES IDENTIFICATION			
Cat	Not Detected	Not Detected	N/A
Cattle	Not Detected	Not Detected	N/A
Deer	Not Detected	Not Detected	N/A
Dog	Not Detected	Not Detected	N/A
Goat	Not Detected	Not Detected	N/A
Horse	Not Detected	Not Detected	N/A
Mouse	Not Detected	Not Detected	N/A
Pig	Not Detected	Not Detected	N/A
Rabbit	Not Detected	Not Detected	N/A
Rat	Not Detected	Not Detected	N/A
Sheep	Not Detected	Not Detected	N/A

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VIRAL MARKERS	
Anti-HIV I/II	Negative / Non-reactive
HBsAg	Negative / Non-reactive
Anti-HCV	Negative / Non-reactive
HIV-1 RNA	Negative / Non-reactive
HBV-DNA	Negative / Non-reactive
HCV RNA	Negative / Non-reactive
WNV	Negative / Non-reactive
Syphilis	Negative / Non-reactive
Chagas	Negative / Non-reactive
Zika Virus	Negative / Non-reactive

The product is intended for in vitro, further manufacturing use, or cell culture.

All units have been collected in the USA in FDA registered facilities and tested for infectious diseases with FDA approved test systems.

Prepared By: *M. Moreno*

Approved By: *J. Goodman*

Print Name: Mariela Moreno

Print Name: Jennifer Goodman

Date: 11/28/18

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