

## CERTIFICATE OF ANALYSIS

**Male AB Human Off-The-Clot Serum**

**Lot#:** A13029

**Expiration Date:** January 31, 2024

**Preservative:** None

**Country of Final Processing:** United States

**Storage:** ≤ -20°C

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

**Filtration:** 0.2µm Sterile Filter

TEST	UNIT	RESULTS
Appearance	N/A	Straw yellow
Hemoglobin	mg/dL	2.90
Endotoxin	EU/mL	< 0.60
Mycoplasma, Barile	N/A	Not Detected
Osmolality	mOsm/kg	283
Sterility	N/A	Negative for Growth
pH	N/A	7.68
BIOCHEMICAL ASSAY		
AST (SGOT)	IU/L	19
ALT (SGPT)	IU/L	14
Total Bilirubin	mg/dL	0.2
Blood Urea Nitrogen (BUN)	mg/dL	12
Cholesterol	mg/dL	171
Glucose	mg/dL	98
Triglyceride	mg/dL	83
Creatinine	mg/dL	0.7
Total Protein	g/dL	7.4
Albumin	g/dL	4.5
Globulin	g/dL	2.9
A/G Ratio (Calc)	N/A	1.6
Albumin/Creatinine Ratio	g/mg Cr	6.4
Carbon Dioxide	mEq/L	25
Calcium	mg/dL	9.7
Potassium	mEq/L	4.3
Sodium	mmol/L	144
Phosphorus	mg/dL	3.4
Chloride	mmol/L	105
SPECIES IDENTIFICATION		
Cat	N/A	Not Detected
Cattle	N/A	Not Detected
Deer	N/A	Not Detected
Dog	N/A	Not Detected
Goat	N/A	Not Detected
Horse	N/A	Not Detected
Mouse	N/A	Not Detected
Pig	N/A	Not Detected
Rabbit	N/A	Not Detected
Rat	N/A	Not Detected
Sheep	N/A	Not Detected

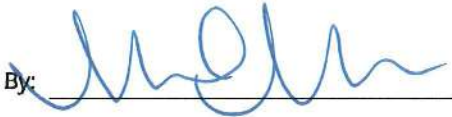
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MALE AB HUMAN OFF-THE-CLOT SERUM

VIRAL MARKERS		
Anti-HIV I/II	N/A	Negative / Non-reactive
HBsAg	N/A	Negative / Non-reactive
Anti-HCV	N/A	Negative / Non-reactive
HCV RNA	N/A	Negative / Non-reactive
HIV-1 RNA	N/A	Negative / Non-reactive
HBV-DNA	N/A	Negative / Non-reactive
HTLV I/II	N/A	Negative / Non-reactive
West Nile Virus	N/A	Negative / Non-reactive
Syphilis	N/A	Negative / Non-reactive

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

All units have been collected in the USA in FDA licensed facilities and tested with FDA approved methods.  
Blood center license #173.

Prepared By:   
 Print Name: Mariela Moreno  
 Date: 4/25/14

Approved By:   
 Print Name: Jennifer Goodman  
 Date: 04/25/14

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