

# HUMAN SERUM FOR TISSUE CULTURE APPLICATIONS

Golden West Diagnostics (GWD) offers three types of human tissue culture products including, AB Male Serum from Defibrinated Plasma, AB Male Off the Clot Human Serum, & Low Endotoxin Human Serum Albumin.

Human Serum AB Products are:

- 0.1 µm Filtered
- Low Endotoxin
- Positive for Growth Promotion
- Sterile
- Negative for Mycoplasma
- Manufactured according to cGMP

# HUMAN SERUM ALBUMIN PRODUCTS

## HA1040 HUMAN SERUM ALBUMIN, LOW ENDOTOXIN

TEST	SPECIFICATIONS	METHODOLOGY
Purity	≥95%	HPLC
Total Protein (5% Solution)	≥4.8 g/dL (5% Solution)	Biuret
Color	Off White	Visual
State	Powder	Visual
Sodium	<50 mmol/L	ISE
Potassium	<2.0 mmol/L	ISE
Chloride	<50 mmol/L	ISE
Calcium	<1.0 mg/dL	Arsenazo III
pH	6.8 – 7.2	pH Meter
Microbial	<100 CFU/mL	USP/BAM
Moisture	≤5%	Protein Calculation
Protease	None Detected	Enzymatic Assay
Endotoxin	<10 EU/mL	Kinetic Chromogenic

\*Minimum order for this product is 10Kg



# HUMAN SERUM AB PRODUCTS

## SP1075 AB MALE HUMAN SERUM FROM DEFIBRINATED PLASMA

TEST	SPECIFICATIONS	METHODOLOGY
Glucose	65 - 105 mg/dL	Hexokinase
Iron	40 – 100 µg/dL	Persijn
Sodium	100 – 160 mmol/L	ISE
Potassium	3.5 – 5.5 mmol/L	ISE
Chloride	85 – 108 mmol/L	ISE
Calcium	5.0 – 10.0 mg/dL	Arsenazo III
Phosphorus	3.0 – 4.0 mg/dL	Phosphomolybdate
Uric Acid	2.5 – 4.5 mg/dL	Uricase/Trinder
Total Protein	4.0 – 7.0 g/dL	Biuret
Triglycerides	50 – 130 mg/dL	GPO
Cholesterol	110 – 210 mg/dL	Enzymatic
Endotoxin	<10 EU/mL	Kinetic Chromogenic
Mycoplasma	Negative	Direct Culture
Growth Promotion	Positive	USP/EP
Sterility	Pass	Steritest (USP)
Hemoglobin	<20 mg/dL	Automated Cell Counter
Osmolarity	260 – 340 mOsm/kg	H2O Calculation
pH	7.0 – 9.0	pH Meter

## SP2080 AB MALE HUMAN SERUM FROM OFF THE CLOT

TEST	SPECIFICATIONS	METHODOLOGY
Glucose	50 – 180 mg/dL	Hexokinase
Iron	40 – 100 µg/dL	Persijn
Sodium	100 – 160 mmol/L	ISE
Potassium	3.5 – 5.5 mmol/L	ISE
Chloride	85 – 108 mmol/L	ISE
Calcium	5.0 – 10.0 mg/dL	Arsenazo III
Total Protein	4.0 – 9.0 g/dL	Biuret
Triglycerides	30 – 175 mg/dL	GPO
Cholesterol	80 – 200 mg/dL	Enzymatic
Endotoxin	<10 EU/mL	Kinetic Chromogenic
Mycoplasma	Negative	Direct Culture
Growth Promotion	Positive	USP/EP
Sterility	Pass	Steritest (USP)
Hemoglobin	<25 mg/dL	Automated Cell Counter
Osmolarity	260 – 340 mOsm/kg	H2O Calculation
pH	7.0 – 9.0	pH Meter
Appearance (color)	Colorless to Brown	Visual
Appearance (form)	Liquid	Visual

