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**HUMAN SERUMS  
& FLUIDS**

Golden West Diagnostics, LLC. (GWD) – est. 2015. As a subsidiary of Golden West Biologicals, Inc (GWB), GWD is rooted in over 30 years of industry experience. GWD specializes in genuine human matrices used in the preparation for standards and controls for mass spectrometry and immunoassay applications. At GWD, we offer solutions to meet customers unique requirements. Our products are of the highest quality.

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# HUMAN SERUMS & FLUIDS

Golden West Diagnostics (GWD) consistently supplies high-quality processed human serums for all of your application needs. See below for our options of Off the Clot Human Serum or Human Serum from defibrinated plasma.

## HUMAN SERUM FROM DEFIBRINATED PLASMA PRODUCTS

### TESTED FOR THESE ANALYTES- REFER TO SPECIFICATION SHEETS FOR SPECIFICS

TEST	SPECIFICATIONS	METHODOLOGY
Glucose	65-105 mg/dL	Hexokinase
Creatinine	0.7-1.4 mg/dL	Jaffe
Sodium	131-151 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	5.5-6.5 g/dL	Biuret
Cholesterol	See Spec	Enzymatic
Triglycerides	See Spec	GPO
pH	7.0-7.5	pH Meter
B.U.N.	7-14 mg/dL	Berthelot
Phosphorus	3.0- 4.0 mg/dL	Phosphomolybdate
Albumin	2.5-4.5 g/dL	BCG Dye-binding
Uric Acid	2.5-4.5 mg/dL	Uricase/Trinder
Bioburden	≤100 CFU/mL	USP/BAM

### SP1000 HUMAN SERUM NORMAL

### SP1010 HUMAN SERUM, DELIPIDIZED

### SP1040 HUMAN SERUM, CHARCOAL TREATED

### SP1050 HUMAN SERUM, DOUBLE CHARCOAL TREATED

### SP1060 HUMAN SERUM, CHARCOAL TREATED AND DELIPIDIZED

### SP1070 HUMAN SERUM, DOUBLE CHARCOAL TREATED AND DELIPIDIZED

TEST	SPECIFICATIONS	METHODOLOGY
T4	≤4 µg/dL	CLIA
TSH, 3rd Generation	≤0.2 µIU/mL	CLIA
Progesterone	≤0.5 ng/mL	CLIA
Testosterone	≤0.2 ng/mL	CLIA
Estradiol	≤10 pg/mL	CLIA

## SERUM FROM OFF THE CLOT HUMAN SERUM

### SP2000 HUMAN SERUM POOLED AND FILTERED

### SP2070 HUMAN SERUM, DOUBLE CHARCOAL TREATED, DELIPIDIZED

TEST	SPECIFICATIONS	METHODOLOGY
T4	≤4.0 µg/dL	CLIA
TSH, 3rd Generation	≤0.2 µIU/mL	CLIA
Progesterone	≤0.5 ng/mL	CLIA
Testosterone	≤0.2 ng/mL	CLIA
Estradiol	≤10 pg/mL	CLIA

## UNIVERSAL NEGATIVE

### UN1000 UNIVERSAL NEGATIVE HUMAN SERUM

TEST	SPECIFICATIONS	METHODOLOGY
IgG	<100 mg/dL	Immunologic
IgM	<10 mg/dL	Immunoturbidimetric

### SP1072.5 CRP FREE HUMAN SERUM

TEST	SPECIFICATIONS	METHODOLOGY
CRP	<0.1 mg/L	Chemiluminescence

## HUMAN SPINAL FLUID

Made from excellent surrogate matrix in place of normal human spinal fluid and is a more price conscious option, readily available.

### OH1030-S SPINAL FLUID, SYNTHETIC

TEST	SPECIFICATIONS	METHODOLOGY
Glucose	50 – 100 mg/dL	Hexokinase
Sodium	130 – 150 mEq/L	ISE
Potassium	≤3.0 mEq/L	ISE
Chloride	115 – 135 mEq/L	ISE
Micro Total Protein	69 – 79 mg/dL	Biuret
Prealbumin	2.2 – 7.1 %	Protein Electrophoresis
Appearance	Clear Solution	Visual

## HUMAN SEMINAL FLUID

Collected and pooled from normal healthy donors confirmed to be viral negative.

### OH1040 HUMAN SEMINAL FLUID, POOLED