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- ◆ *Mass Spect Gold Human Matrices*
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**MASS SPECT GOLD
SERUM & PLASMA**

**ULTRA-LOW HORMONES
& STEROIDS**

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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MASS SPECT GOLD SERUM AND PLASMA ULTRA-LOW HORMONES & STEROIDS

Golden West Diagnostics specializes in providing ultra-low analyte human serums for clinical laboratory testing for ultra-sensitive immunoassay and mass spectrometry. Contact us today and see why our Mass Spect Gold is the gold standard in depleted serums and plasmas.

MASS SPECT GOLD HUMAN SERUMS

MSG3000 MASS SPECT GOLD HUMAN SERUM, ULTRA-LOW HORMONES & STEROIDS, LIPID FREE

TEST	SPECIFICATIONS	METHODOLOGY
T3	<0.126 ng/mL	CLIA
T4	<0.318 µg/dL	CLIA
TSH	<0.01 µIU/mL	CLIA
Estradiol	<1.0 pg/mL	LCMS
Testosterone	<2.5 ng/dL	LCMS
Progesterone	<0.1 ng/mL	LCMS
Cortisol	<0.270 µg/dL	CLIA
LH	<0.010 mIU/mL	CLIA
Triglycerides	<10 mg/dL	GPO
Cholesterol	<10 mg/dL	Enzymatic
pH	7.0-7.5	pH Meter

MSG3500 MASS SPECT GOLD HUMAN SERUM, ULTRA-LOW HORMONES, STEROIDS, AND VITAMIN D

TEST	SPECIFICATIONS	METHODOLOGY
T3	<0.126 ng/mL	CLIA
T4	<0.318 µg/dL	CLIA
TSH	<0.01 µIU/mL	CLIA
Estradiol	<1.0 pg/mL	LCMS
Testosterone	<2.5 ng/dL	LCMS
Progesterone	<0.1 ng/mL	LCMS
Cortisol	<0.270 µg/dL	CLIA
LH	<0.010 mIU/mL	CLIA
Triglycerides	<10 mg/dL	GPO
Cholesterol	<10 mg/dL	Enzymatic
25-OH Vitamin D	<1 ng/mL	LCMS
Vitamin D2	<1 ng/mL	LCMS
Vitamin D3	<1 ng/mL	LCMS
pH	7.0-7.5	pH Meter

MSG4000 MASS SPECT GOLD HUMAN SERUM, ULTRA-LOW HORMONES & STEROIDS

TEST	SPECIFICATIONS	METHODOLOGY
T3	<0.126 ng/mL	CLIA
T4	<0.318 µg/dL	CLIA
TSH	<0.01 µIU/mL	CLIA
Estradiol	<1.0 pg/mL	LCMS
Testosterone	<2.5 ng/dL	LCMS
Progesterone	<0.1 ng/mL	LCMS
Cortisol	<0.270 µg/dL	CLIA
Triglycerides	As Found	GPO
Cholesterol	As Found	Enzymatic
FT3	<0.742 pg/mL	CLIA
FT4	<0.280 ng/dL	CLIA
pH	7.0-7.5	pH Meter

MSG7000 MASS SPECT GOLD HUMAN PLASMA, ULTRA-LOW HORMONES & STEROIDS

TEST	SPECIFICATIONS	METHODOLOGY
T3	<0.126 ng/mL	CLIA
T4	<0.318 µg/dL	CLIA
TSH	<0.01 µIU/mL	CLIA
Estradiol	<1.0 pg/mL	LCMS
Testosterone	<2.5 ng/dL	LCMS
Progesterone	<0.1 ng/mL	LCMS
Triglycerides	As Found	GPO
Cholesterol	As Found	Enzymatic
pH	7.0-7.5	pH Meter

MSG3100 MASS SPECT GOLD HUMAN SERUM, ULTRA-LOW TESTOSTERONE, LIPID FREE

TEST	SPECIFICATIONS	METHODOLOGY
Androstenedione	<0.030 ng/mL	HPLC-MS/MS

MSG3400 MASS SPECT GOLD HUMAN SERUM, CATECHOLAMINE FREE

TEST	SPECIFICATIONS	METHODOLOGY
Norepinephrine	<20 pg/mL	HPLC
Epinephrine	<20 pg/mL	HPLC
Dopamine	<10 pg/mL	HPLC
Normetanephrine	<0.10 nmol/L	LC-MS/MS
Metanephrine	<0.10 nmol/L	LC-MS/MS

MSG3800 MASS SPECT GOLD HUMAN SERUM, ULTRA-LOW 5-HIAA

TEST	SPECIFICATIONS	METHODOLOGY
5-HIAA	<1.0 ng/mL	LC-MS/MS
Triglycerides	<10 mg/dL	GPO
Cholesterol	<10 mg/dL	Enzymatic

MSG8000 MASS SPECT GOLD HUMAN SERUM, ULTRA-LOW LIPIDS

TEST	SPECIFICATIONS	METHODOLOGY
Cholesterol	<10 mg/dL	Enzymatic
Triglycerides	<10 mg/dL	GPO
Apolipoprotein A-1	<20 mg/dL	Quantitative Nephelometry
Apolipoprotein B	<25 mg/dL	Quantitative Nephelometry
HDL Cholesterol	<3 mg/dL	Detergent Solubilization/Enzymatic
LDL Cholesterol	<7 mg/dL	Quantitative Detergent Solubilization/ Enzymatic
Free Fatty Acids	<0.01 mmol/L	Quantitative Spectrophotometry

MSG9000 MASS SPECT GOLD HUMAN SERUM METHYLMALONIC ACID FREE

TEST	SPECIFICATIONS	METHODOLOGY
Methylmalonic Acid	<50 nmol/L	LC/MS-MS
Triglycerides	<10 mg/dL	GPO
Cholesterol	<10 mg/dL	Enzymatic