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**PRODUCT DATA SHEET**

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

innoME 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.

**HUMAN SERUM FROM DEFIBRINATED PLASMA PRODUCTS:**

<b>MSG3000 MASS SPECT GOLD HUMAN SERUM, ULTRA-LOW HORMONES &amp; STEROIDS, LIPID FREE</b>		
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

<b>MSG3500 MASS SPECT GOLD HUMAN SERUM, ULTRA-LOW HORMONES, STEROIDS, AND VIATMIN D</b>		
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

<b>MSG4000 MASS SPECT GOLD HUMAN SERUM, ULTRA-LOW HORMONES &amp; STEROIDS</b>		
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

<b>MSG7000 MASS SPECT GOLD HUMAN PLASMA, ULTRA-LOW HORMONES &amp; STEROIDS</b>		
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

<b>MSG3100 MASS SPECT GOLD HUMAN SERUM, ULTRA-LOW TESTOSTERONE, LIPID FREE</b>		
Test	Specifications	Methodology
Androstenedione	< 0.030 ng/mL	HPLC-MS/MS

<b>MSG3400 MASS SPECT GOLD HUMAN SERUM, CATECHOLAMINE FREE</b>		
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

<b>MSG3800 MASS SPECT GOLD HUMAN SERUM, ULTRA-LOW 5-HIAA</b>		
Test	Specifications	Methodology
5-HIAA	< 1.0 ng/mL	LC-MS/MS
Triglycerides	< 10 mg/dL	GPO
Cholesterol	< 10 mg/dL	Enzymatic

<b>MSG8000 MASS SPECT GOLD HUMAN SERUM, ULTRA-LOW LIPIDS</b>		
Test	Specifications	Methodology
Cholesterol	< 10 mg/dL	Enzymatic
Triglycerides	< 10 mg/dL	GPO
Apolipoprotein A-1	< 20 mg/dL	Quantitative Nephelometry
Apolipoprotein B	< 20 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

<b>MSG9000 MASS SPECT GOLD HUMAN SERUM, METHYLMALONIC ACID FREE</b>		
Test	Specifications	Methodology
Methylmalonic Acid	< 50 nmol/L	LC/MS-MS
Cholesterol	< 10 mg/dL	Enzymatic
Triglycerides	< 10 mg/dL	GPO

