

# 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   |