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**MASS SPECT GOLD
HUMAN SERUM**

**TOXICOLOGY NEGATIVE,
LIPID FREE**

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 HUMAN SERUM TOXICOLOGY NEG. LIPID FREE

MSG3200 MASS SPECT GOLD HUMAN SERUM TOXICOLOGY NEG. LIPID FREE

Storage: -20°C Source: Defibrinated Plasma Preservative: None
 Filtration: 0.1 µm Country of Origin: USA

Each unit of plasma used in the preparation of this material was tested and found negative or non-reactive for HIV 1/2, HBsAg, HCV, HIV-1 (NAT), HCV(NAT), and RPR by FDA approved methods.

TEST	SPECIFICATIONS	METHODOLOGY
Ethanol	None Detected	GC
Sodium	131-151 mmol/L	ISE
Potassium	3.5-5.5 mmol/L	ISE
Chloride	85-108 mmol/L	ISE
Total Protein	4.8-5.5 g/dL	Biuret
Cholesterol	≤10 mg/dL	Enzymatic
Triglycerides	≤10 mg/dL	GPO
T3	≤0.126 ng/mL	CLIA
T4	≤0.318 µg/dL	CLIA
TSH, 3rd Generation	≤0.01 µIU/mL	CLIA
Progesterone	≤0.1 ng/mL	LCMS
Testosterone	≤2.5 ng/dL	LCMS
Estradiol	≤1.0 pg/mL	LCMS
Cortisol	≤0.270 µg/dL	CLIA
LH	≤0.010 mIU/mL	CLIA
pH	7.0-7.5	pH Meter

ANALYTES SCREENED BY LC/TOF-MS- RESULTS ARE NONE DETECTED

Methylphenidate	para-Fluoroisobutylfentanyl	Thioridazine
Metoclopramide	Paroxetine	Topiramate
Metoprolol	Perphenazine	Tramadol
Mexiletine	Phenazepam	trans-3-Methylfentanyl
Midazolam	Pheniramine	Trazodone
Mirtazapine	Phentermine	Triazolam
Mitragynine	Phenylpropanolamine	Trifluoperazine
N-Ethyl Pentylone	Phenytion	Trihexyphenidyl
Nalbuphine	Primidone	Trimipramine
Naloxone	Prochlorperazine	U-47700
Naltrexone	Promazine	Valeryl Fentanyl
Naproxen	Promethazine	Venlafaxine
Norbuprenorphine - Free	Pseudoephedrine	Verapamil
Norclozapine	Psilocin	Voriconazole
Norfentanyl	Quetiapine	Warfarin
Norfunitrazepam	Quinidine	Sufentanil
Norfluoxetine	Quinine	Tadalafil
Norketamine	Risperidone	Vardenafil
Normeperidine	Sertraline	Xylazine
Norpropoxyphene	Sildenafil	Yohimbine
Norpseudoephedrine	Strychnine	Zolpidem
Nortriptyline	Tapentadol	Zonisamide
O-Desmethyltramadol	Tetrahydrozoline	Zaleplon
O-Desmethylvenlafaxine	TFMPP	Ziprasidone
Olanzapine	Theophylline	

ANALYTES SCREENED BY LC/TOF-MS- RESULTS ARE NONE DETECTED

2-Furanylfentanyl	Clonazepam	Guaifenesin
4-ANPP	Clonidine	Haloperidol
6-Beta-Naltrexol - Free	Clozapine	Hydrocodone
6-Mono-Acetylmorphine	Cocaine	Hydromorphone
7-Amino Flunitrazepam	Cocaine	Hydroxybupropion
7-Amino Clonazepam	Codeine	Hydroxyethylflurazepam
9-Hydroxyrisperidone	Cotinine	Hydroxytriazolam
10-Hydroxycarbazepine	Cyclobenzaprine	Hydroxyzine
Acetaminophen	Cyclopropylfentanyl	Iloperidone
Acetyl Fentanyl	Delorazepam	Imipramine
Acryl Fentanyl	Desalkylflurazepam	Itraconazole
Alfentanil	Desipramine	Ketamine
Alpha-Hydroxylprazolam	Desmethyldimipramine	Ketoconazole
Alpha-Hydroxyetazolam	Desmethyldoxepin	Lacosamide
Alprazolam	Desmethylsertraline	Lamotrigine
Amirtipytline	Desmethyltrimipramine	Laudanosine
Amloidine	Desmethyloperamide	Levamisole
Amphetamine	Dextro / Levo Methorphan	Levetiracetam
Aripiprazole	Dextroprhan / Levorphanol	Lidocaine
Amoxapine	Dibutylone	Loperamide
Atomoxetine	Diclazepam	Lorazepam
Atropine	Dicyclomine	Loxapine
Benzotropine	Dihydrocodeine/ Hydrocodol	LSD
Benzoylcgonine	Diltiazem	mCPP
Bromazepam	Diphenhydramine	MDA
Brompheniramine	Diazepam	MDEA
Bupropion	Donepezil	MDMA
Buprenorphine	Doxepin	Memantine
Buspiron	Doxylamine	Meperidine
Butorphanol	Duloxetine	Meprobamate
Butylone	EDDP	Mescaline
Butyrylfentanyl	Ephedrine	Mesoridazine
BZP	Estazolam	Metaxalone
Carbamazepine	Eszopiclone / Zopiclone	Methamphetamine
Carbamazepine-10,11-Epoixide	Etizolam	Methocarbamol
Carfentanil	Fentanyl	Methaqualone
Carisoprodol	Flecainide	Methadone
Chlordiazepoxide	Flubromazepam	Morphine
Chlorpheniramine	Flubromazepam	Nicotine
Chlorpromazine	Flunitrazepam	Nordiazepam
cis-3-Methylfentanyl	Fluphenazine	Oxazepam
Citalopram/Escitalopram	Flurazepam	Oxycodone
Clobazam	Fluvoxamine	Oxymorphone
Clomipramine	Glimepiride	Phencyclidine
Clonazepam	Glipizide	Propoxyphene
	Glyburide	Temazepam

ANALYTES SCREENED BY GCMS- RESULTS ARE NONE DETECTED

Amobarbital	Butabarbital	Butalbital	Phenobarbital	Pentobarbital	Secobarbital
d-methamphetamine	Delta-9-THC-COOH	l-methamphetamine	11-Hydroxy Delta-9-THC		
d-amphetamine	Nitrazepam	l-amphetamine	7-Amino Nitrazepam		
Delta-9-THC					

ANALYTES SCREENED BY EIA RESULTS ARE NONE DETECTED

Barbiturates	Amphetamines	Methadone/Metabolite	Oxycodone
Cannabinoids	Benzodiazepines	Methamphetamine/MDMA	Oxymorphone
Salicylates	Cocaine/Metabolites	Opiates	Phencyclidine