

Human Whole Blood, Drug Free*

Catalog Number: MSG20500

Lot Number: <Lot Specific>

Storage: -20 °C

Source: Human Whole Blood

Product Performance Specifications

The following analytes screened by LC/TOF-MS, results are None Detected:

Analyte	Limit of Detection	Analyte	Limit of Detection	Analyte	Limit of Detection
10-Hydroxycarbazepine	3.0 mcg/mL	Buprenorphine	1 ng/mL	Desmethylclomipramine	50 ng/mL
4-ANPP	0.1 ng/mL	Bupropion	25 ng/mL	Desmethyldoxepin	25 ng/mL
6-Acetylmorphine	2 ng/mL	Buspiron	25 ng/mL	Desmethyloperamide	5 ng/mL
6-Beta-Naltrexol – Free	10 ng/mL	Cannabinoids	10 ng/mL	Desmethylsertraline	20 ng/mL
7-Amino Flunitrazepam	5 ng/mL	Carbamazepine	0.2 mcg/mL	Dextro / Levo Methorphan	50 ng/mL
7-aminoclonazepam	10 ng/mL	Carbamazepine- 10,11-Epoxy	1.0 mcg/mL	Dextrorphan / Levorphanol	100 ng/mL
8-Aminoclonazolam	2.0 ng/mL	Carfentanil	0.1 ng/mL	Diazepam	25 ng/mL
9-Hydroxyrisperidone	5 ng/mL	Carisoprodol	0.2 mcg/mL	Dicyclomine	100 ng/mL
Acetaminophen	20 mcg/mL	Chlordiazepoxide	50 ng/mL	Dihydrocodeine	10 ng/mL
Acetyl Fentanyl	0.5 ng/mL	Chlorpheniramine	10 ng/mL	Diltiazem	100 ng/mL
Alfentanil	10 ng/mL	Chlorpromazine	20 ng/mL	Diphenhydramine	50 ng/mL
Alpha-hydroxyalprazolam	20 ng/mL	Citalopram	100 ng/mL	Donepezil	10 ng/mL
Alprazolam	10 ng/mL	Clobazam	50 ng/mL	Doxepin	25 ng/mL
Amitriptyline	50 ng/mL	Clomipramine	50 ng/mL	Doxylamine	100 ng/mL
Amoxapine	50 ng/mL	Clonazepam	10 ng/mL	Duloxetine	100 ng/mL
Amphetamine	10 ng/mL	Clonazolam	5.0 ng/mL	EDDP	50 ng/mL
Aripiprazole	50 ng/mL	Clonidine	5 ng/mL	Ephedrine	250 ng/mL
Atomoxetine	100 ng/mL	Clozapine	50 ng/mL	Escitalopram	100 ng/mL
Atropine	1000 ng/mL	Cocaethylene	20 ng/mL	Eszopiclone / Zopiclone	10 ng/mL
Barbiturates	0.04 mcg/mL	Cocaine	20 ng/mL	Etizolam	2.0 ng/mL
Benzoyllecgonine	100 ng/mL	Codeine	10 ng/mL	Fentanyl	1.0 ng/mL
Benztrapine	100 ng/mL	Cotinine	200 ng/mL	Flecainide	0.25 mcg/mL
Bromazepam	10 ng/mL	Cyclobenzaprine	20 ng/mL	Flubromazepam	20 ng/mL
Brompheniramine	10 ng/mL	Desipramine	50 ng/mL	Flubromazolam	5.0 ng/mL



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Flunitrazepam	5 ng/mL	Mescaline	0.01 mcg/mL	O-Desmethylenlafaxine	50 ng/mL
Fluoxetine	50 ng/mL	Mesoridazine	100 ng/mL	Olanzapine	5 ng/mL
Fluphenazine	5 ng/mL	Metaxalone	0.25 mcg/mL	Oxazepam	20 ng/mL
Fluvoxamine	250 ng/mL	Methadone	50 ng/mL	Oxycodone	10 ng/mL
Guaifenesin	5.0 mcg/mL	Methamphetamine	10 ng/mL	Oxymorphone	2 ng/mL
Haloperidol	10 ng/mL	Methocarbamol	5.0 mcg/mL	para-Fluorobutyrylfentanyl	0.1 ng/mL
Hydrocodone	10 ng/mL	Methylphenidate	10 ng/mL	Paroxetine	20 ng/mL
Hydromorphone	2 ng/mL	Metoprolol	20 ng/mL	Phencyclidine (PCP)	5 ng/mL
Hydroxybupropion	100 ng/mL	Midazolam	5 ng/mL	Pheniramine	10 ng/mL
Hydroxyzine	25 ng/mL	Mirtazapine	25 ng/mL	Phentermine	50 ng/mL
Imipramine	25 ng/mL	Mitragynine	10 ng/mL	Phenylpropanolamine	250 ng/mL
Ketamine	10 ng/mL	Morphine	10 ng/mL	Phenytoin	1.0 mcg/mL
Lacosamide	1.0 mcg/mL	Naloxone	1 ng/mL	Primidone	2.5 mcg/mL
Lamotrigine	0.2 mcg/mL	Naltrexone	1 ng/mL	Prochlorperazine	10 ng/mL
Levamisole	0.25 mcg/mL	Naproxen	50 mcg/mL	Promethazine	5 ng/mL
Levetiracetam	5.0 mcg/mL	Nicotine	100 ng/mL	Pseudoephedrine	250 ng/mL
Lidocaine	0.2 mcg/mL	Norclozapine	25 ng/mL	Psilocin	10 ng/mL
Loperamide	5 ng/mL	Nordiazepam	20 ng/mL	Quetiapine	100 ng/mL
Lorazepam	5 ng/mL	Norfentanyl	1.0 ng/mL	Quinine	200 ng/mL
LSD	2 ng/mL	Norflunitrazepam	20 ng/mL	Risperidone	5 ng/mL
mCPP	0.05 mcg/mL	Norfluoxetine	100 ng/mL	Salicylates	120 mcg/mL
MDA	10 ng/mL	Norketamine	20 ng/mL	Sertraline	10 ng/mL
MDMA	10 ng/mL	Normeperidine	0.1 mcg/mL	Sildenafil	50 ng/mL
Memantine	10 ng/mL	Norpseudoephedrine	250 ng/mL	Strychnine	10 ng/mL
Meperidine	0.1 mcg/mL	Nortriptyline	50 ng/mL	Sufentanil	1 ng/mL
Meprobamate	1.0 mcg/mL	O-Desmethyltramadol	25 ng/mL	Tadalafil	50 ng/mL



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Analyte	Limit of Detection	Analyte	Limit of Detection	Analyte	Limit of Detection
Tapentadol	10 ng/mL	Tramadol	20 ng/mL	Xylazine	5.0 ng/mL
Temazepam	20 ng/mL	Trazodone	0.1 mcg/mL	Zaleplon	10 ng/mL
Tetrahydrozoline	1 ng/mL	Trimipramine	50 ng/mL	Ziprasidone	10 ng/mL
Theophylline	8.0 mcg/mL	Venlafaxine	50 ng/mL	Zolpidem	10 ng/mL
Thioridazine	10 ng/mL	Verapamil	20 ng/mL	Zonisamide	0.25 mcg/mL
Topiramate	500 ng/mL	Warfarin	0.25 mcg/mL		

The following analytes screened by GCMS, results are None Detected:

Analyte	Limit of Detection	Analyte	Limit of Detection	Analyte	Limit of Detection
Butorphanol	10 ng/mL	MDEA	10 ng/mL	Propoxyphene	0.1 mcg/mL
Butylone	10 ng/mL	Methaqualone	0.1 mcg/mL	Quinidine	50 ng/mL
Desmethyltrimipramine	10 ng/mL	N-ethyl Pentylone	10 ng/mL	Trifluoperazine	2.5 ng/mL
Dibutylone	10 ng/mL	Norpropoxyphene	0.5 mcg/mL	Yohimbine	100 ng/mL
Loxapine	12 ng/mL	Phenazepam	100 ng/mL		

The following analytes screened by LCMS/MS, results are None Detected:

Analyte	Limit of Detection	Analyte	Limit of Detection	Analyte	Limit of Detection
2-Furanylfentanyl	0.05 ng/mL	Estazolam	5 ng/mL	Perphenazine	0.2 ng/mL
Acrylfentanyl	0.05 ng/mL	Flurazepam	2 ng/mL	trans-3-Methylfentanyl	0.05 ng/mL
Butyrylfentanyl	0.05 ng/mL	Hydroxyethylflurazepam	5 ng/mL	Triazolam	2 ng/mL
cis-3-Methylfentanyl	0.05 ng/mL	Hydroxytriazolam	5 ng/mL	U-47700	0.05 ng/mL
Cyclopropylfentanyl	0.05 ng/mL	lloperidone	0.25 ng/mL	Valeryl Fentanyl	0.05 ng/mL
Desalkylflurazepam	5 ng/mL	para-Fluoroisobutyrylfentanyl	0.05 ng/mL		



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Test	Specifications	Methodology
Gabapentin	≤1.0 mcg/mL	LC-MS/MS

Testing

Each unit has been tested for HIV 1/2, HIV-1 (NAT), HBsAg, HBV(NAT), HCV, HCV (NAT), and RPR by FDA approved methods and found to be negative or non-reactive.

*Applies only to analytes listed on the certificate of analysis.

Caution

In-vitro use only. Products are intended for research or manufacturing of non-injectable products only. This material was tested as stated above in the testing section. Nevertheless, products of human origin should be considered potentially infectious and handled according to universal precautions. The safe and responsible handling of the product listed above is the responsibility of the customer. We accept no liability for injury or illness resulting from the use and/or handling of the product. The customer assumes responsibility for the proper disposal of all materials in accordance with Federal and State regulations.

Warranty

Golden West Diagnostics, LLC makes no claim or warranty that this product will perform or is suitable for use in a customer's application. It is the customer's responsibility to evaluate and qualify the product's suitability for the customer's intended use or application. Furthermore, this product is a biological material and lots may vary so it is the customer's responsibility to determine if an evaluation of each lot is warranted.

