

Compound (Metabolite)	Matrix	Limit of Quantitation	Units
17-Desacetyl-Norgestimate	Human plasma	50.0	pg/mL
3-Keto-Desogestrel (etonogestrel)	Human plasma	50.0	pg/mL
Acetaminophen	Human plasma	200	ng/mL
Acetylsalicylic Acid	Human plasma	5.00	ng/mL
Acetylsalicylic Acid (Salicylic Acid) (Butalbital)	Human plasma	20.0 80.0 10.0	ng/mL ng/mL ng/mL
Alendronate	Human urine	1.00	ng/mL
Alfuzosin	Human plasma	0.150	ng/mL
Alprazolam	Human plasma	0.250	ng/mL
Amlodipine	Human plasma	0.100	ng/mL
D-Amphetamine L-Amphetamine	Human plasma	0.600 0.200	ng/mL ng/mL
Anagrelide	Human plasma	50.0	pg/mL
Anastrozole	Human plasma	0.100	ng/mL
Aripiprazole	Human plasma	0.500	ng/mL
Atomoxetine	Human plasma	2.00	ng/mL
Atorvastatin	Human plasma	0.200	ng/mL
Atorvastatin ( <i>o</i> -Hydroxy-Atorvastatin) ( <i>p</i> -Hydroxy-Atorvastatin)	Human plasma	0.250 0.200 0.100	ng/mL ng/mL ng/mL
Benzapril (Benzaprilat)	Human plasma	5.00 7.50	ng/mL ng/mL
Bezafibrate	Human plasma	15.0	ng/mL
Bicalutamide	Human plasma	10.0	ng/mL
Bupropion	Human plasma	2.00	ng/mL

**Warnex Bioanalytical Services**  
**Validated Assay List**



Compound (Metabolite)	Matrix	Limit of Quantitation	Units
(Hydroxybupropion)		6.00	ng/mL
Bupropion (Hydroxybupropion) (Erythro-Hydroxybupropion) (Threo-Hydroxybupropion)	Human plasma	2.50 12.5 4.00 8.00	ng/mL ng/mL ng/mL ng/mL
Butalbital (see Acetylsalicylic Acid)	Human plasma	10.0	ng/mL
Caffeine Codeine	Human plasma	10.0 0.500	ng/mL ng/mL
Calcifediol medical and Vitamin D2 analog	Human plasma	5.0	ng/mL
Carbamazepine (Carbamazepine 10,11-epoxide)	Human plasma	25.0 1.00	ng/mL ng/mL
Carbidopa Levodopa	Human plasma	2.00 10.0	ng/mL ng/mL
Carisoprodol Meprobamate	Dog plasma	5.00	ng/mL
Carvedilol (4-Hydroxyphenyl Carvedilol)	Human plasma	0.500 0.100	ng/mL ng/mL
Ciprofloxacin Gatifloxacin	Human plasma	50.0	ng/mL
Clarithromycin	Human plasma	10.0 15.0	ng/mL ng/mL
Clonidine	Human plasma	1.00 10.0	pg/mL pg/mL
Codeine Caffeine	Human plasma	0.500 10.0	ng/mL ng/mL
Cyclobenzaprine	Human plasma	50.0	pg/mL

<b>Compound (Metabolite)</b>	<b>Matrix</b>	<b>Limit of Quantitation</b>	<b>Units</b>
Cyproterone	Human plasma	0.250	ng/mL
Danazol	Human plasma	0.800	ng/mL
Darifenacin	Human plasma	20.0	pg/mL
Diclofenac	Human plasma	8.00	ng/mL
Diltiazem (N-Desmethyl Diltiazem) (Desacetyl Diltiazem)	Human plasma	1.50 0.300 0.150	ng/mL ng/mL ng/mL
Donepezil	Human plasma	0.100	ng/mL
Doxazosin	Human plasma	0.500	ng/mL
Doxercalciferol Ercalcitriol	Human serum	2.00	pg/mL
Doxylamine Pyridoxine	Human plasma	0.500 0.250	ng/mL ng/mL
Drospirinone	Human plasma	0.075 0.500	ng/mL ng/mL
Enalapril (Enalaprilat)	Human plasma	0.500 0.250	ng/mL ng/mL
Ercalcitriol Doxercalciferol	Human serum	2.00	pg/mL
Estrone Free Equilin Free	Human plasma	5.00 2.00	pg/mL pg/mL
Estrone Free Estradiol Free Equilin Free Dihydroequilin Free	Human plasma	4.00 2.00 2.00 2.00	pg/mL pg/mL pg/mL pg/mL
Estrone Free Estradiol Free	Human serum	8.00 2.00	pg/mL pg/mL
Estrone Total	Human plasma	50.0	pg/mL

<b>Compound (Metabolite)</b>	<b>Matrix</b>	<b>Limit of Quantitation</b>	<b>Units</b>
Equilin Total		50.0	pg/mL
Estrone Total	Human serum	0.150	ng/mL
Estradiol Total	Human serum	2.00	pg/mL
Ethinyl Estradiol	Human plasma	2.00	pg/mL
Etidronate	Human plasma	10.0	ng/mL
Etonogestrel (3-Keto-Desogestrel)	Human plasma	50.0	pg/mL
Felodipine	Human plasma	10.0	pg/mL
Fenofibric Acid	Rat plasma	10.0	ng/mL
Fenofibric Acid	Human plasma	50.0	ng/mL
Fentanyl	Human plasma	10.0	pg/mL
Finasteride	Human plasma	0.100 0.500	ng/mL ng/mL
Fosinoprilat	Human plasma	5.00	ng/mL
Gabapentin	Human plasma	10.0	ng/mL
Galanthamine	Human plasma	0.100	ng/mL
Ganciclovir Valganciclovir	Human plasma	100 6.00	ng/mL ng/mL
Gatifloxacin Ciprofloxacin	Human plasma	50.0	ng/mL
Glimepiride	Human plasma	1.00	ng/mL
Glipizide	Human plasma	10.0	ng/mL
Glyburide	Human plasma	2.50	ng/mL
Hydrochlorothiazide	Human plasma	1.50 3.00	ng/mL ng/mL
Hydrocodone	Human plasma	0.200	ng/mL
Hydrocortisone	Human plasma	10.0	ng/mL

Compound (Metabolite)	Matrix	Limit of Quantitation	Units
Ibuprofen	Human plasma	0.500	µg/mL
Isradipine	Human plasma	50.0	pg/mL
Itraconazole (Hydroxy-Itraconazole)	Human plasma	1.00 1.25	ng/mL ng/mL
KCl	Human urine	0.500	mg/L
Letrozole	Human plasma	1.00	ng/mL
Levetiracetam	Human plasma	0.250	µg/mL
Levodopa Carbidopa	Human plasma	10.0 2.00	ng/mL ng/mL
Levonorgestrel	Human plasma	80.0	pg/mL
Lisinopril	Human plasma	1.00	ng/mL
Loratadine (Descarboethoxyloratadine)	Human plasma	40.0	pg/mL
Lorazepam	Human plasma	0.300	ng/mL
Lubiprostone	Human plasma	1.0	pg/mL
Meloxicam	Human plasma	10.0	ng/mL
Meprobamate Carisoprodol	Dog plasma	5.00	ng/mL
Metformin	Human plasma	25.0	ng/mL
Metoprolol	Human plasma	0.500 4.00	ng/mL ng/mL
Methylphenidate	Human plasma	0.100 50.0	ng/mL pg/mL
Minocycline	Human plasma	10.0	ng/mL
Mirtazepine	Human plasma	0.100	ng/mL
Misoprostol Acid	Human plasma	1.00	pg/mL
Morphine	Human plasma	0.500	ng/mL

<b>Compound (Metabolite)</b>	<b>Matrix</b>	<b>Limit of Quantitation</b>	<b>Units</b>
(Morphine-6 $\beta$ -D-Glucuronide)		2.50	ng/mL
Naratriptan	Human serum	75.0	pg/mL
Norethindrone	Human plasma	0.200	ng/mL
Norverapamil (Verapamil)	Human plasma	1.00	ng/mL
Olanzapine	Human plasma	0.100	ng/mL
Omeprazole	Human plasma	1.00	ng/mL
Oxcarbazepine (10,11-Dihydrooxcarbazepine)	Human plasma	20.0 50.0	ng/mL ng/mL
Oxybutynin	Dog plasma	0.200	ng/mL
Oxybutynin (Desethyloxybutynin)	Dog plasma	1.00	ng/mL
Oxycodone	Human plasma	0.300	ng/mL
Paroxetine	Human plasma	0.100 0.100	ng/mL ng/mL
Pravastatin	Human plasma	0.500 0.500	ng/mL ng/mL
Progesterone	Human plasma	50.0	pg/ml
Propafenone (5-Hydroxy Propafenone)	Human plasma	0.200 0.100	ng/mL
Propranolol Free	Human plasma	1.00	ng/mL
Propranolol Total (4-OH Propranolol Total)	Human plasma	2.00 0.500	ng/mL ng/mL
Propranolol Total (4-OH Propranolol Total)	Human plasma	2.00 0.500	ng/mL ng/mL
Propoxyphene	Human plasma	0.250 1.00	ng/mL ng/mL
Pseudoephedrine	Human plasma	1.50	ng/mL

Compound (Metabolite)	Matrix	Limit of Quantitation	Units
		1.00	ng/mL
Pyridoxal (Pyridoxal-5-Phosphate)	Human plasma	0.500 5.00	ng/mL ng/mL
Pyridoxine Doxylamine	Human plasma	0.250 0.500	ng/mL ng/mL
Raloxifene (Raloxifene-4-Glucuronide) (Raloxifene-6-Glucuronide)	Human plasma	5.00 2.00 0.300	pg/mL ng/mL ng/mL
Ramapril	Human plasma	0.200	ng/mL
Repaglinide	Human plasma	0.200	ng/mL
Risedronate	Human plasma	0.200	ng/mL
Risperidone	Human plasma	50.0	ng/mL
Rivastigmine	Human plasma	0.200 20.0	ng/mL pg/mL
Ropinirole	Human plasma	10.0 35.0	pg/mL pg/mL
Rosiglitazone	Human plasma	2.00	ng/mL
Sertraline	Human plasma	0.250	ng/mL
Simvastatin (Simvastatin Hydroxy Acid)	Human plasma	0.100	ng/mL
Sotalol	Human plasma	20.0	ng/mL
Sumatriptan	Human plasma	0.500	ng/mL
Tamsulasin	Human plasma	0.250	ng/mL
Telmisartan	Huamn plasma	4.00	ng/mL
Terbinafine	Human plasma	0.990	ng/mL
Tramadol (Desmethyl-Tramadol)	Pig serum	2.00 1.00	ng/mL ng/mL

Compound (Metabolite)	Matrix	Limit of Quantitation	Units
Tramadol (Desmethyl-Tramadol)	Human plasma	10.0 1.25	ng/mL ng/mL
Trimebutine (N-Desmethyl Trimebutine)	Human plasma	1.00 12.5	ng/mL ng/mL
Valganciclovir Ganciclovir	Human plasma	6.00 100	ng/mL ng/mL
Valproic Acid	Human plasma	1.00	µg/mL
Valsartan	Human plasma	10.0	ng/mL
Venlafaxine (O-Desmethyl Venlafaxine)	Human plasma	2.50	ng/mL
Verapamil (Norverapamil)	Human plasma	1.00	ng/mL
Ziprasidone	Human serum	0.400	ng/mL
Zolmitriptan	Human plasma	40.0	pg/mL
Zolpidem	Human plasma	1.00	ng/mL

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