

Drug	Species	Matrix	Technique	Anticoagulant	Extraction Volume	Range	Stable Labeled I.S.
2-Deoxy-D-Glucose	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	0.25-50 µg/mL	Yes
2-Deoxy-D-Glucose	Human	Urine	LC/MS/MS	N/A	0.1 mL	1-200 µg/mL	Yes
5-Amino Salicylic acid N-Acetyl-5-ASA	Rabbit	Plasma	HPLC/UV	Sodium Citrate	0.1 mL	50-5,000 ng/mL	No
5-Amino Salicylic acid N-Acetyl-5-ASA+	Dog	Plasma	HPLC/UV	Sodium Citrate	0.1 mL	50-5,000 ng/mL	No
5-Amino Salicylic acid N-Acetyl-5-ASA	Rabbit	Plasma	LC/MS/MS	EDTA	0.025 mL	25-10,000 ng/mL 50-20,000 ng/mL	Yes
5-Amino Salicylic acid N-Acetyl-5-ASA	Dog	Plasma	LC/MS/MS	EDTA	0.025 mL	50-25,000 ng/mL 25-12,500 ng/mL	Yes
5-Fluorouracil	Human	Plasma	LC/MS/MS	Heparin	0.05 mL	5-2,500 ng/mL	Yes
Acetaminophen	Human	Plasma	HPLC/UV	Heparin	0.1 mL	0.5-50 µg/mL	No
Alprazolam α-OH-Alprazolam 4-OH-Alprazolam	Human	Plasma	LC/MS/MS	EDTA	0.050 mL	0.100-100 ng/mL	Yes
Amitriptyline Nortriptyline	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	0.25-250 ng/mL	Yes
Anandamide	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	0.1-5 ng/mL	Yes
Anastrozole	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	1-100 ng/mL	Yes
Aplindore	Human	Plasma	LC/MS/MS	Heparin	0.5 mL	10-5,000 pg/mL	Yes
Atorvastatin p-hydroxyatorvastatin o-hydroxyatrovastatin	Human	Plasma	LC/MS/MS	EDTA or Heparin	0.05 mL	0.1-20 ng/mL	Yes
Benzoic acid	Minipig	Plasma	HPLC/UV	EDTA	0.1 mL	50-2,000 ng/mL	No
Benzoyllecgonine	Human	Plasma	LC/MS/MS	Heparin	0.2 mL	25-10,000 ng/mL	Yes
Benzyl alcohol	Human	Plasma	HPLC/UV	EDTA	0.1 mL	1-100 µg/mL	No
Bepotastine	Dog	Plasma	LC/MS/MS	EDTA	0.05 mL	10-300 ng/mL	No
Bromfenac	Human	Serum	HPLC/UV	N/A	0.25 mL	50-10,000 ng/mL	No
Caffeine 1,7-dimethylxanthine	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	100-50,000 ng/mL 50-25,000 ng/mL	No
Caffeine 1,7-dimethylxanthine	Human	Urine	LC/MS/MS	N/A	0.1 mL	500-25,000 ng/mL	No
Calcipotriene	Human	Plasma	LC/MS/MS	Heparin	1.0 mL	10-2,000 pg/mL	No
Campesterol β-Sitosterol Campestanol Sitostanol	Human	Plasma	LC/MS/MS	EDTA	0.1 mL	1,000-8,800 ng/mL 1,000-13400 ng/mL 4-1,000 ng/mL 5-1,700 ng/mL	Yes
Carboxyethylphosphoramidate mustard (CEPM)	Human	Plasma	LC/MS/MS	Heparin	0.05 mL	0.05-50 µg/mL	Yes
Cephalothin	Rat	Plasma	HPLC/UV	Heparin	0.1mL	0.5-50 µg/mL	No
Cetylpyridinium	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	1-200 ng/mL	Yes
Chloroadenine	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	1-500 ng/mL	No
Cimetidine	Human	Plasma	LC/MS/MS	EDTA or Heparin	0.05 mL	5-5,000 ng/mL	Yes
Citrulline	Rat	Plasma	LC/MS/MS	Heparin	0.1 mL	2-200 µg/mL	No

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Clindamycin Clindamycin sulfoxide	Human	Plasma	LC/MS/MS	EDTA	0.05 mL	50-20,000 pg/mL	No
Clobetasol propionate	Human	Plasma	LC/MS/MS	EDTA	0.4 mL	20-10,000 pg/mL	No
Clozapine	Human	Plasma	LC/MS/MS	Heparin	0.05 mL	0.2-200 ng/mL	Yes
Cocaine Norcocaine Cocaethylene	Human	Plasma	LC/MS/MS	Heparin	0.2 mL	25-10,000 ng/mL	Yes
Cordycepin	Human	Whole Blood	LC/MS/MS	EDTA	0.05 mL	0.1-10 µg/mL	Yes
Cortisol 6β-hydroxycortisol	Human	Urine	LC/MS/MS	N/A	1.0 mL	5-250 ng/mL 50-2,500 ng/mL	No
Cytarabine	Human	Plasma	LC/MS/MS	EDTA	0.05 mL	2-500 ng/mL	Yes
Daunorubicin Daunorubicinol	Human	Plasma	LC/MS/MS	EDTA	0.1 mL	1-1,000 ng/mL 0.2-200 ng/mL	Yes
Diclofenac	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	1-1,000 ng/mL	Yes
Digoxin	Human	Plasma	LC/MS/MS	Heparin	0.2 mL	0.1-10 ng/mL	Yes
Docetaxel	Human	Plasma	LC/MS/MS	Heparin	0.25 mL	0.5-100 ng/mL	Yes
Econazole	Human	Plasma	HPLC/UV	Heparin	1.0 mL	20-1,000 ng/mL	No
Econazole	Human	Plasma	LC/MS/MS	EDTA	0.2 mL	100-50,000 pg/mL	No
Erlotinib	Human	Plasma	LC/MS/MS	Heparin	0.025 mL	10-10,000 ng/mL	Yes
Ethinyl estradiol	Human	Plasma	LC/MS/MS	Heparin	0.5 mL	2-500 pg/mL	Yes
Etoposide	Human	Plasma	LC/MS/MS	Heparin	0.02 mL	0.100-100 µg/mL	Yes
Fentanyl	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	50-20,000 pg/mL	No
Fludarabine desphosphate	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	0.5-500 ng/mL	No
Ganaxolone	Human	Plasma	LC/MS/MS	EDTA	0.2 mL	5-1,500 ng/mL	No
Gefitinib	Human	Plasma	LC/MS/MS	Heparin	0.05 mL	5-1,000 ng/mL	Yes
Gentamicin	Human	Plasma	LC/MS/MS	Heparin	0.05 mL	2-5,000 ng/mL	Yes
Gemcitabine	Human	Plasma	LC/MS/MS	Heparin	0.05 mL	10-10,000 ng/mL	Yes
Gemfibrozil	Human	Plasma	LC/MS/MS	Heparin	0.025 mL	0.1-500 µg/mL	Yes
Glimepiride	Human	Plasma	LC/MS/MS	Heparin	0.05 mL	2-2,000 ng/mL	Yes
Glyburide	Human	Plasma	LC/MS/MS	EDTA or Heparin	0.1 mL	1-500 ng/mL	No
Herceptin	Human	Plasma	MSD	K3EDTA	0.025 mL	0.137-100 µg/mL	No
Histamine N-methylhistamine	Human	Plasma	LC/MS/MS	EDTA	0.5 mL	0.2-50 ng/mL	Yes
Histamine N-methylhistamine	Human	Urine	LC/MS/MS	N/A	0.05 mL	10-2,000 ng/mL 50-10,000 ng/mL	Yes
Indomethacin	Human	Plasma	LC/MS/MS	EDTA	0.2 mL	20-4,000 ng/mL	Yes
Ketoconazole	Human	Plasma	LC/MS/MS	EDTA	0.05 mL	5-5,000 ng/mL	Yes
L-Arginine	Human	Plasma	HPLC/UV	Heparin	0.125 mL	1-250 µg/mL	No
L-Methionine	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	1-200 µg/mL	Yes
Lamotrigine	Human	Plasma	LC/MS/MS	Heparin	0.025 mL	0.025-25 µg/mL	Yes

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Levofloxacin	Human	Plasma	LC/MS/MS	Heparin	0.025 mL	10-10,000 ng/mL	Yes
Lidocaine	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	0.2-100 ng/mL	No
Lidocaine	Human	Plasma	LC/MS/MS	EDTA	0.1 mL	0.2-100 ng/mL	Yes
Lidocaine 2,6 - dimethylaniline Monoethylglycinexylidide Glycinexylidide	Human	Plasma	LC/MS/MS	EDTA or Heparin	0.1 mL	0.2-200 ng/mL 1-1,000 ng/mL	Yes
Lucanthone Hycanthone	Human	Plasma	LC/MS/MS	Heparin	0.05 mL	1-200 ng/mL	Yes
Metformin	Human	Plasma	LC/MS/MS	Heparin	0.05 mL	10-2,000 ng/mL	Yes
Methotrexate	Human	Plasma	LC/MS/MS	Heparin	0.05 mL	1-1,000 ng/mL	Yes
Midazolam	Human	Plasma	LC/MS/MS	EDTA	0.1 mL	0.5-250 ng/mL	No
Midazolam 1-hydroxymidazolam	Human	Plasma	LC/MS/MS	EDTA	0.1 mL	0.5-100 ng/mL	Yes
Mifepristone	Human	Plasma	LC/MS/MS	Heparin	0.05 mL	10-2,000 ng/mL	Yes
Mitiglinide	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	1-1,000 ng/mL	No
Mitomycin	Human	Plasma	LC/MS/MS	EDTA	0.05 mL	10-5,000 ng/mL	No
Morphine Morphine-6-β-D- glucuronide	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	0.5-500 ng/mL	Yes
N-acetylcysteine	Dog	Plasma	LC/MS/MS	EDTA	0.025 mL	1-1,000 µg/mL	Yes
N-acetylcysteine	Rabbit	Plasma	LC/MS/MS	EDTA	0.025 mL	1-1,000 µg/mL	Yes
Nabilone	Human	Plasma	LC/MS/MS	Heparin	0.5 mL	100-20,000 pg/mL	No
Nalbuphine	Human	Plasma	LC/MS/MS	Heparin	0.25 mL	0.1-50 ng/mL	No
Naloxone	Human	Plasma	LC/MS/MS	Heparin	0.25 mL	0.1-50 ng/mL	No
Naproxen	Human	Plasma	LC/MS/MS	Heparin	0.025 mL	0.100-100 µg/mL	Yes
Norethindrone	Human	Plasma	LC/MS/MS	Heparin	0.25 mL	20-10,000 pg/mL	Yes
Norgestrel 17-deacetylnorgestimate	Human	Plasma	LC/MS/MS	Heparin	0.25 mL	40-20,000 pg/mL 20-10,000 pg/mL	Yes
Ondansetron	Human	Plasma	LC/MS/MS	Heparin	0.05 mL	0.5-250 ng/mL	Yes
Oxycodone	Human	Plasma	LC/MS/MS	EDTA or Heparin	0.1 mL	0.2-50 ng/mL	Yes
Oxycodone Oxymorphone Noroxycodone	Human	Plasma	LC/MS/MS	Heparin	0.5 mL	0.05-25 ng/mL	Yes
Paclitaxel	Human	Plasma	LC/MS/MS	EDTA or Heparin	0.1 mL	0.5-200 ng/mL	No
Prilocaine	Human	Plasma	LC/MS/MS	EDTA	0.05 mL	0.2-100 ng/mL	No
Promethazine	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	0.2-100 ng/mL	No
Quetiapine	Human	Plasma	LC/MS/MS	EDTA or Heparin	0.5 mL	1-1,000 ng/mL	Yes
Repaglinide	Human	Plasma	LC/MS/MS	EDTA	0.5 mL	0.1-100 ng/mL	Yes
Riboflavin Riboflavin 5-phosphate	Dog	Plasma	Fluorescence	Heparin	0.5 mL	20-10,000 ng/mL 40-20,000 ng/mL	No
Riboflavin Riboflavin 5-phosphate	Rat	Plasma	Fluorescence	Heparin	0.5 mL	20-10,000 ng/mL 40-20,000 ng/mL	No

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Rifampin 25-desacetyl rifampin	Human	Plasma	LC/MS/MS	EDTA	0.05 mL	0.1-20 µg/mL	Yes
Riluzole	Human	Serum	LC/MS/MS	N/A	0.1 mL	1-500 ng/mL	No
Risperidone 9- hydroxyrisperidone	Human	Plasma	LC/MS/MS	Heparin	0.05 mL	0.1-100 ng/mL	Yes
Rosuvastatin n-desmethyl rosuvastatin	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	0.1-50 ng/mL	Yes
Simvastatin Simvastatin hydroxy acid	Human	Plasma	LC/MS/MS	Heparin	0.25 mL	0.05-50 ng/mL	Yes
Sorafenib	Human	Plasma	LC/MS/MS	EDTA	0.05 mL	10-10,000 ng/mL	Yes
Sumatriptan	Human	Plasma	LC/MS/MS	Heparin	0.1 mL	1-200 ng/mL	No
Tolbutamide	Human	Plasma	LC/MS/MS	EDTA	0.1 mL	0.1-20 µg/mL	No
Tolbutamide 4-hydroxytolbutamide	Human	Urine	LC/MS/MS	N/A	0.1 mL	0.1-20 µg/mL	No
Trazodone	Human	Plasma	LC/MS/MS	Heparin	0.05 mL	0.2-200 ng/mL	Yes
Tretinoin	Human	Plasma	LC/MS/MS	EDTA	0.2 mL	0.4-10 ng/mL	Yes
Valerenic acid Hydroxyvalerenic acid Acetoxyvalerenic acid	Human	Plasma	LC/MS/MS	Heparin	0.2 mL	1-500 ng/mL	No
Vancomycin	Human	Plasma	LC/MS/MS	Heparin	0.02 mL	50-25,000 ng/mL	No
Warfarin (R-)	Human	Plasma	LC/MS/MS	Heparin	0.025 mL	2-2,000 ng/mL	Yes
Warfarin (S-)	Human	Plasma	LC/MS/MS	Heparin	0.025 mL	2-2,000 ng/mL	Yes
Yohimbine	Human	Plasma	LC/MS/MS	EDTA	0.1 mL	0.1-50 ng/mL	No
Zolpidem	Human	Plasma	LC/MS/MS	EDTA	0.05 mL	1-150 ng/mL	Yes
Zolpidem	Baboon	Plasma	LC/MS/MS	EDTA	0.05 mL	1-1,000 ng/mL	Yes