



A Symbol of Excellence

Development Solutions

BIOANALYTICAL VALIDATED ASSAYS

Updated Aug 2011

DRUG	MATRIX	LOQ	METHOD
Acetaminophen	Human Plasma	1 ng/mL	LC/MS/MS
Acetaminophen	Liver Microsomes	0.1 µg/mL	HPLC-UV
Acyclovir	Human Plasma	25 ng/mL	HPLC
Alfentanil	Human Plasma	20 pg/mL	LC/MS/MS
Albuterol	Human Urine	500 pg/mL	GC/MS
Alprazolam	Human Plasma	250 pg/mL	LC/MS/MS
Amlodipine	Human Plasma	75 pg/mL	LC/MS/MS
Amoxicillin	Human Plasma	0.2 µg/mL	LC/MS/MS
l-Amphetamine & d-Amphetamine	Human Plasma Human Plasma	1 ng/mL 2 ng/mL	LC/MS/MS LC/MS/MS
Antipyrine	Human Plasma	250 ng/mL	HPLC-UV
Antipyrine	Human Urine	250 ng/mL	HPLC-UV
Apomorphine	Sheep Plasma	0.5 ng/mL	LC/MS/MS
Ascorbic Acid	Human Plasma	5 µg/mL	HPLC-UV
Ascorbic Acid	Human Urine	25 µg/mL	HPLC-UV
Aspirin	Human Plasma	0.5µg/mL	HPLC-UV
Salicylic Acid	Human Plasma	1 µg/mL	HPLC-UV
Bendamustine	Human Plasma	0.5 ng/mL	LC/MS/MS
Bortezomib	Human Plasma	0.1 ng/mL	LC/MS/MS
Budesonide	Human Plasma	12.5 pg/mL	LC/MS/MS
Bupivacaine	Human Plasma	5 ng/mL	LC/MS/MS
Bupivacaine	Human Plasma	1 ng/mL	LC/MS/MS
Buprenorphine Norbuprenorphine & Naloxone	Human Plasma Human Plasma Human Plasma	50 pg/mL 50 pg/mL 50 pg/mL	UPLC-MS/MS UPLC-MS/MS UPLC-MS/MS
Buprenorphine Norbuprenorphine	Human Plasma Human Plasma	0.05 ng/mL 0.05 ng/mL	LC/MS/MS LC/MS/MS
Caffeine	Human Plasma	100 ng/mL	HPLC-UV
Caffeine	Human Plasma	25 ng/mL	LC/MS/MS
Dimethylxanthine	Human Plasma	25 ng/mL	LC/MS/MS
Caffeine	Human Urine	200 ng/mL	LC/MS/MS
Dimethylxanthine	Human Urine	500 ng/mL	LC/MS/MS
Caffeine Metabolites: 1-Methylxanthine 1-Methyluric Acid 1,7-Dimethyluric Acid AFMU	Human Urine Human Urine Human Urine Human Urine	0.5 µg/mL 0.5 µg/mL 0.5 µg/mL 0.5 µg/mL	LC/MS/MS LC/MS/MS LC/MS/MS LC/MS/MS

Carbamazepine	Human Plasma	0.5 µg/mL	HPLC-UV
<i>Carbamazepine-10,11-epoxide</i>	Human Plasma	0.5 µg/mL	HPLC-UV
Ceftriaxone	Human Plasma	2 µg/mL	HPLC-UV
Cetyl Pyridinium Chloride	Human Saliva	0.5 µg/mL	HPLC-UV
Chlorzoxazone	Human Plasma	0.1 µg/mL	LC/MS/MS
<i>6-Hydroxychlorzoxazone</i>	Human Plasma	0.1 µg/mL	LC/MS/MS
Chlorzoxazone	Human Urine	25 ng/mL	LC/MS/MS
<i>6-Hydroxychlorzoxazone</i>	Human Urine	5 µg/mL	LC/MS/MS
<i>6-Hydroxychlorzoxazone</i>	Liver Microsomes	0.45 µg/mL	HPLC-UV
Ciprofloxacin	Human Plasma	0.25 µg/mL	LC/MS/MS
Ciprofloxacin	Human Urine	5 µg/mL	HPLC-FLD
Ciprofloxacin	Human Tears	2 pg/mL	LC/MS/MS
Citalopram	Human Plasma	1 ng/mL	LC/MS/MS
Citalopram	Human Serum	1 ng/mL	HPLC-Fluorescence
<i>Demethylcitalopram</i>	Human Serum	1 ng/mL	HPLC-Fluorescence
<i>Didemethylcitalopram</i>	Human Serum	1 ng/mL	HPLC-Fluorescence
Donepezil	K2EDTA Human Plasma	0.1 ng/ml	LC/MS/MS
Clonidine	Human Plasma	10 pg/mL	GC/MS
Clopidogrel	K3EDTA Human Plasma	0.2 ng/ml	LC/MS/MS
Clopidogrel Acid	K3EDTA Human Plasma	5 ng/ml	LC/MS/MS
Codeine	Human Plasma	2 ng/mL	LC/MS/MS
Cortisol	Human Urine	4 ng/mL	LC/MS/MS
<i>6-beta-Hydroxycortisol</i>	Human Urine	20 ng/mL	LC/MS/MS
Creatinine	Human Serum	1 µg/mL	LC/MS/MS
Creatinine	Human Plasma	1.25 µg/mL	HPLC-UV
Creatinine	Human Urine	62.5 µg/mL	HPLC-UV
Cyclobenzaprine	Human Plasma	0.1 ng/mL	LC/MS/MS
Cyclophosphamide	Rat Plasma	0.1 µg/mL	LC/MS/MS
Cytarabine	Human Plasma	50 ng/mL	LC/MS/MS
Dacarbazine	Human Plasma	5 ng/mL	LC/MS/MS
Dapsone	Human Plasma	200 ng/mL	HPLC-UV
<i>Monoacetyldapsone</i>	Human Plasma	200 ng/mL	HPLC-UV
Debrisoquine	Human Urine	0.5µg/mL	LC/MS/MS
<i>4-Hydroxydebrisoquine</i>	Human Urine	0.1 µg/mL	LC/MS/MS
Desipramine	Human Plasma	0.1 ng/mL	LC/MS/MS
Dexamethasone	Human Plasma	5 pg/mL	LC/MS/MS
Dextromethorphan	Human Urine	0.25 ng/mL	LC/MS/MS
<i>Methoxymorphinan</i>	Human Urine	0.25 ng/mL	LC/MS/MS
Dextrorphan	Human Urine	1 ng/mL	LC/MS/MS
Dextrorphan	Liver Microsomes	50 ng/mL	HPLC-Fluorescence
Diazepam	Human Plasma	1 ng/mL	LC/MS/MS
Diazepam	Rat Plasma	1 ng/mL	LC/MS/MS
Diazepam	Sheep Plasma	1 ng/mL	LC/MS/MS
Diazepam	Human Plasma	0.1 ng/mL	LC/MS/MS
<i>N-Desmethyldiazepam</i>	Human Plasma	0.1 ng/mL	LC/MS/MS
Diazepam	Human Urine	100 ng/mL	HPLC-UV
<i>N-Desmethyldiazepam</i>	Human Urine	100 ng/mL	HPLC-UV
Diclofenac	Human plasma	0.1 ng/mL	LC/MS/MS
Diclofenac	Microdialysis	0.5 ng/mL	LC/MS/MS
<i>4-Hydroxydiclofenac</i>	Liver Microsomes	0.6 µg/mL	HPLC-UV

Digoxin	Human Serum	50 pg/mL	LC/MS/MS
Digoxin	Human Plasma	0.04 ng/mL	LC/MS/MS
Digoxin	Human Urine	1 ng/mL	LC/MS/MS
Docetaxel	Human Plasma	0.5 ng/mL	LC/MS/MS
Donepezil	K2EDTA Human Plasma	0.1 ng/mL	LC/MS/MS
Doxorubicin	Human Plasma	5 ng/mL	LC/MS/MS
Ephedrine	Human Serum	0.1 ng/mL	LC/MS/MS
Ephedrine	Human Plasma	0.1 ng/mL	LC/MS/MS
Erlotinib	Human Plasma	100 ng/mL	LC/MS/MS
<i>Desmethyl Erlotinib</i>	Human Plasma	5 ng/mL	LC/MS/MS
Ethanol	Human Serum	20 µg/mL	GC/FID
Ethanol	Human Plasma	20 µg/mL	GC/FID
Eugenol	Human Saliva	0.5 µg/mL	HPLC-UV
Fentanyl	Human Plasma	20 pg/mL	LC/MS/MS
Fentanyl	Sheep Plasma	20 pg/mL	LC/MS/MS
Fentanyl	Rat Plasma	20 pg/mL	LC/MS/MS
Fentanyl	Dog Plasma	20 pg/mL	LC/MS/MS
Flecainide	Human Plasma	10 ng/mL	LC/MS/MS
Fluconazole	Human Plasma	50 ng/mL	LC/MS/MS
Fludarabine	K2EDTA Human Plasma	50 ng/mL	LC/MS/MS
Fludarabine	Human Plasma	10 ng/mL	LC/MS/MS
Fluoxetine (total)	Human Plasma	1 ng/mL	LC/MS/MS
<i>R-Fluoxetine</i>	Human Plasma	1 ng/mL	LC/MS/MS
<i>S-Fluoxetine</i>	Human Plasma	1 ng/mL	LC/MS/MS
Free Carboplatin	Human Plasma	30 ng/mL	LC/MS/MS
Norfluoxetine (total)	Human Plasma	1 ng/mL	LC/MS/MS
<i>R-Norfluoxetine</i>	Human Plasma	1 ng/mL	LC/MS/MS
<i>S-Norfluoxetine</i>	Human Plasma	1 ng/mL	LC/MS/MS
Fluticasone Propionate	Human Plasma	12.5 pg/mL	LC/MS/MS
Gabapentin	Human plasma	50 ng/mL	LC/MS/MS
Ganciclovir	Mouse Serum	0.1 µg/mL	HPLC-UV
Ganciclovir	Rat Serum	0.1 µg/mL	HPLC-UV
Ganciclovir	Monkey Serum	0.1 µg/mL	HPLC-UV
Gemcitabine	Human Plasma	50 ng/mL	LC/MS/MS
<i>DfdU</i>	Human Plasma	100 ng/mL	LC/MS/MS
Gliclazide	Human Serum	0.1 µg/mL	HPLC-UV
Glucosamine	Human Plasma	100 ng/mL	LC/MS/MS
Guanabenz	Human Plasma	50 pg/mL	GC/MS
Haloperidol	Human Plasma	50 pg/mL	LC/MS/MS
Homovanillic Acid*	Human Plasma	2 ng/mL	LC/MS/MS
Hydrocodone	Human Plasma	0.1 ng/mL	LC/MS/MS
Hydromorphone	Human Plasma	0.1 ng/mL	LC/MS/MS
Ibuprofen	Human Plasma	2 ng/mL	LC/MS/MS
Ibuprofen	Human Faeces	5 to 500 ng/mL	LC/MS/MS
R-Ibuprofen	Human Plasma	0.1 µg/mL	HPLC-FL
S-Ibuprofen	Human Plasma	0.1 µg/mL	HPLC-FL
Indocyanine Green	Human Plasma	250 ng/mL	HPLC-UV
Indomethacin	Human Plasma	0.1 µg/mL	HPLC-UV
Iohexol	Human Plasma	1 µg/mL	LC/MS/MS
Iohexol	Human Urine	500 µg/mL	HPLC-UV
4-Isopropyl-3-methylphenol	Human Saliva	75 ng/mL	LC/MS/MS
Ketoconazole	Human Plasma	64 ng/mL	HPLC

Ketoconazole	Human Plasma	50 ng/mL	HPLC-UV
R-Ketoprofen	Human Plasma	50 ng/mL	HPLC-UV
S-Ketoprofen	Human Plasma	50 ng/mL	HPLC-UV
Ketorolac	Human Plasma	50 ng/mL	LC/MS/MS
Ketorolac	Rabbit Plasma	1 µg/mL	HPLC-UV
Ketorolac	Rat Plasma	500 ng/mL	LC/MS/MS
Lamotrigine	Human Plasma	0.15 µg/mL	HPLC-UV
L-Dopa	Human Plasma	20 ng/mL	LC/MS/MS
Carbidopa	Human Plasma	5 ng/mL	LC/MS/MS
3-OMD	Human Plasma	2000 ng/mL	LC/MS/MS
Lenalidomide	Human Plasma	5 ng/mL	LC/MS/MS
Lidocaine and Prilocaine	Human Plasma	1 ng/mL	LC/MS/MS
Lithium	Human Serum	50 ng/mL	GFAA
Lorazepam	Human Plasma	1 ng/mL	LC/MS/MS
Lovastatin	Human Plasma	0.1 ng/mL	LC/MS/MS
Hydroxy Acid Metabolite	Human Plasma	0.1 ng/mL	LC/MS/MS
Maprotiline	Human Plasma	150 pg/mL	GC/MS
Mefloquine Enantiomers	Human Plasma	5 ng/mL	LC/MS/MS
Melatonin	Human Plasma	20 pg/mL	LC/MS/MS
Meloxicam	Human Plasma	0.5 ng/mL	LC/MS/MS
Meloxicam	Pig Plasma	10 ng/mL	LC/MS/MS
Memantine	Human Plasma	0.5 ng/mL	LC/MS/MS
Memantine	Vitreous Humor	20 pg/mL	GC/MS/MS
Mephenytoin	Human Urine	10 ng/mL	LC/MS/MS
4-Hydroxymephenytoin	Human Urine	1 µg/mL	LC/MS/MS
4-Hydroxymephenytoin	Liver Microsomes	20 ng/mL	HPLC-UV
4-Hydroxymephenytoin	Liver Microsomes	20 ng/mL	HPLC-UV
(R)- & (S)- Mephenytoin	Human Plasma	30 ng/mL	HPLC-UV
(R)- & (S)- Mephenytoin	Human Urine	1 ng/mL	LC/MS/MS
Metformin	K2EDTA Human Plasma	10 ng/mL	LC/MS/MS
Metformin	Human Plasma	10 ng/mL	LC/MS/MS
Metformin	Human Plasma	2 ng/mL	HPLC-UV
Methadone	Human Plasma	0.5 ng/mL	LC/MS/MS
3-Methoxymorphinan	Human Urine	0.25 ng/mL	LC-MS/MS
(R)- & (S)- Methylphenidate	Human Plasma	10 pg/mL	LC/MS/MS
Methyltestosterone	Human Serum	500 pg/mL	GC/MS
Methanesulfonamide	Human Plasma	0.1 µg/mL	LC/MS/MS
Methanesulfonamide	Human Urine	1 µg/mL	LC/MS/MS
Methylphenidate	Human Plasma	0.25 ng/mL	LC/MS/MS
Metoprolol	Human Plasma	1.35 µg/mL	HPLC-Fluorescence
Metronidazole	Human Plasma	0.25 µg/mL	HPLC-UV
(R)- & (S)- Nicoumalone	Human Plasma	15 ng/mL	HPLC-UV
Midazolam	Human Plasma	25 pg/mL	LC/MS/MS
1-Hydroxymidazolam	Human Plasma	0.5 ng/mL	LC/MS/MS
Midazolam	Human Urine	0.25 ng/mL	LC/MS/MS
1-Hydroxymidazolam	Human Urine	0.25 ng/mL	LC/MS/MS
1-Hydroxymidazolam	Liver Microsomes	60 ng/mL	HPLC-UV
4-Hydroxymidazolam	Liver Microsomes	60 ng/mL	HPLC-UV
Midodrine	Human Plasma	0.5 ng/mL	LC/MS/MS
Morphine	Human Plasma	1.5 ng/mL	LC/MS/MS
Morphine-3-glucuronide	Human Plasma	10 ng/mL	LC/MS/MS
Morphine-6-glucuronide	Human Plasma	4 ng/mL	LC/MS/MS
Moxifloxacin	Human Lithium Heparin	0.025 µg/mL	LC/MS/MS

Mycophenolate	Human Plasma	1 µg/mL	HPLC-UV
Naloxone	Human Plasma	0.05 ng/mL	LC/MS/MS
Naloxone	Sheep Plasma	50 pg/mL	LC/MS/MS
Naproxen	Human Plasma	2 µg/mL	LC/MS/MS
Niacin	Human Plasma	5 ng/mL	LC/MS/MS
Niacin	Human Urine	0.02 µg/mL	LC/MS/MS
<i>N-Methyl-2-pyridone-5-carboxylic acid amide</i>	Human Urine	2.5 µg/mL	LC/MS/MS
<i>Methylnicotinamide</i>	Human Urine	1.00 µg/mL	LC/MS/MS
Nicotinuric Acid	Human Plasma	5 ng/mL	LC/MS/MS
Nicotinuric Acid	Human Urine	0.04 µg/mL	LC/MS/MS
Nicoumalone	Human Plasma	10 ng/mL	HPLC-UV
Nifedipine	Human Plasma	1 ng/mL	LC/MS/MS
Nifedipine	Human Plasma	5 ng/mL	HPLC-UV
Nifedipine (Oxidised)	Liver Microsomes	0.1 µg/mL	HPLC-UV
Norfluoxetine (total)	Human Plasma	1 ng/mL	LC/MS/MS
Normetanephrine	Human Plasma	5 ng/mL	LC-MS/MS
Nortriptyline	Human Plasma	1 ng/mL	GC/ECD
<i>10-hydroxynortriptyline</i>	Human Plasma	2 ng/mL	GC/ECD
Omeprazole	Human Plasma	10 ng/mL	LC/MS/MS
<i>5-hydroxyomeprazole</i>	Human Plasma	10 ng/mL	LC/MS/MS
Ondansetron	Human Plasma	20 pg/mL	LC/MS/MS
Oxazepam	Human Urine	100 ng/mL	HPLC-UV
Oxybutynin	Human Plasma	0.5ng/mL	LC/MS/MS
<i>Desethyloxybutynin</i>	Human Plasma	0.5 ng/mL	LC/MS/MS
p-Aminosalicylic Acid	Human Plasma	1 µg/mL	HPLC-UV
<i>4-Acetamidosalicylic Acid</i>	Human Plasma	1 µg/mL	HPLC-UV
p-Aminosalicylic Acid	Human Urine	4 µg/mL	HPLC-UV
<i>4-Acetamidosalicylic Acid</i>	Human Urine	4 µg/mL	HPLC-UV
p-Aminosalicylic Acid	Human Faeces	1 µg/mL	HPLC-UV
<i>4-Acetamidosalicylic Acid</i>	Human Faeces	1 µg/mL	HPLC-UV
Para-amino Hippuric Acid (PAH)	Human Plasma	1 µg/mL	HPLC-FL
Paracetamol	Human Plasma	0.25 µg/mL	HPLC-UV
Paracetamol	Human Plasma	0.25 µg/mL	LC/MS/MS
Paracetamol	Human Plasma	0.25 µg/mL	UPLC-MS/MS
Paroxetine	Human Plasma	0.25 ng/mL	LC/MS/MS
Perphenazine	Human Serum	0.2 ng/mL	LC/MS/MS
Phenelzine	Human Plasma	0.5 ng/mL	LC/MS/MS
Phenobarbital	Human Plasma	0.1 µg/mL	HPLC-UV
Phenylbutazone	Human Plasma	0.5 µg/mL	HPLC-UV
Phenytoin	Human Plasma	1 µg/mL	HPLC-UV
Piroxicam	Human Plasma	10 ng/mL	HPLC-UV
Prednisolone Acetate	Human Plasma	1 ng/mL	LC/MS/MS
Prednisone	Human Plasma	0.25 ng/mL	LC/MS/MS
<i>Prednisolone</i>	Human Plasma	0.25 ng/mL	LC/MS/MS
Pseudoephedrine & Chlorpheniramine	Human Plasma	1 ng/mL	LC/MS/MS
	Human Plasma	0.1ng/mL	LC/MS/MS
Progesterone	Human Plasma	125 pg/mL	LC/MS/MS
Promethazine	Human Plasma	50 pg/mL	LC/MS/MS
Propylene Glycol	Human Plasma	1 µg/mL	GC/FID
Quetiapine	Human Plasma	1 ng/mL	LC/MS/MS
Quinidine	Human Plasma	20 ng/mL	HPLC-FL

3-Hydroxyquinidine	Human Plasma	5 ng/mL	HPLC-FL
Ranolazine	Human Plasma	1 µg/mL	HPLC-Fluorescence
Repertaxin	Human Plasma	10 ng/mL	LC/MS/MS
Repertaxin	Human Urine	2 ng/mL	LC/MS/MS
Repertaxin	Human Faeces	1 ng/mL	LC/MS/MS
Repertaxin	Human Urine	1 ng/mL	LC/MS/MS
& Ibuprofen	Human Urine	5 ng/mL ¹	LC/MS/MS
Repertaxin & Ibuprofen	Human Plasma	0.25 µg/mL	HPLC-UV
Repertaxin (free)	Human Plasma	1 ng/mL	LC/MS/MS
Ribavirin	K2EDTA Human Plasma	0.1 µg/mL	LC/MS/MS
Rifampin	Human Plasma	0.1 µg/mL	HPLC-UV
Ritalinic Acid	Human Plasma	30 ng/mL	LC/MS/MS
Ritonavir	Human Plasma	1 ng/mL	LC/MS/MS
Salbutamol	Human Plasma	0.1 ng/mL	LC-MS/MS
Salicyclic Acid	Human Plasma	0.25 µg/mL	LC/MS/MS
Salicyclic Acid	Human Urine	0.5 µg/mL	HPLC-UV
Selegiline	Human Plasma	10 pg/mL	LC/MS/MS
<i>Desmethylselegiline</i>	Human Plasma	40 pg/mL	LC/MS/MS
& Amphetamine	Human Plasma	100 pg/mL	LC/MS/MS
& Metamphetamine	Human Plasma	100 pg/mL	LC/MS/MS
Sibutramine	Human Plasma	0.5 ng/mL	LC/MS/MS
<i>Monodesmethyl Sibutramine</i>	Human Plasma	0.5 ng/mL	LC/MS/MS
<i>Didesmethyl Sibutramine</i>	Human Plasma	0.5 ng/mL	LC/MS/MS
Simvastatin	Human Plasma	0.1 ng/mL	LC/MS/MS
<i>Simvastatin Hydroxy Acid</i>	Human Plasma	0.1 ng/mL	LC/MS/MS
Sorafenib	Human Plasma	10 ng/mL	LC/MS/MS
Sulfamethoxazole	Human Serum	1 µg/mL	HPLC-UV
<i>N4-Acetylsulfamethoxazole</i>	Human Serum	1 µg/mL	HPLC-UV
Sulfamethoxazole	Human Urine	2 µg/mL	HPLC-UV
<i>N4-Acetylsulfamethoxazole</i>	Human Urine	1 µg/mL	HPLC-UV
Tacrine	Human Plasma	0.5 ng/mL	HPLC/FL
<i>1-Hydroxytacrine</i>	Human Plasma	1 ng/mL	HPLC-FL
<i>2-Hydroxytacrine</i>	Human Plasma	1 ng/mL	HPLC-FL
<i>4-Hydroxytacrine</i>	Human Plasma	0.5 ng/mL	HPLC-FL
Tacrolimus	Human Blood	0.25 ng/mL	LC/MS/MS
Temazepam	Human Urine	100 ng/mL	HPLC-UV
Testosterone	Human Serum	0.03 ng/mL	LC/MS/MS
<i>6β-Hydroxytestosterone</i>	Liver Microsomes	0.05 µg/mL	HPLC-UV
Theobromine	Human Plasma	1 µg/mL	LC/MS/MS
Theophylline	Human Plasma	200 ng/mL	LC/MS/MS
Theophylline	Human Urine	2 µg/mL	HPLC-UV
Tianeptine	Human Plasma	5 ng/mL	HPLC-UV
<i>Tianeptine MC5</i>	Human Plasma	5 ng/mL	LC/MS/MS
Ticlopidine	Human Plasma	5 ng/mL	HPLC-UV
Timolol	Human Plasma	5 pg/mL	LC/MS/MS
Tolbutamide	Human Urine	5 ng/mL	LC/MS/MS
<i>Carboxytolbutamide</i>	Human Urine	5 µg/mL	LC/MS/MS
<i>Hydroxytolubutamide</i>	Human Urine	1 µg/mL	LC/MS/MS
Tolbutamide	Human Plasma	0.1 ng/mL	LC/MS/MS
<i>Carboxytolbutamide</i>	Human Plasma	2.5 ng/mL	LC/MS/MS
<i>Hydroxytolbutamide</i>	Human Plasma	5 ng/mL	LC/MS/MS

Hydroxytolbutamide	Liver Microsomes	0.1 µg/mL	HPLC-UV
Tramadol	Fluoride EDTA Human Plasma	5 ng/ml	LC/MS/MS
O-Desmethyl Tramadol	Fluoride EDTA Human Plasma	1 ng/ml	LC/MS/MS
Triamcinolone Acetonide	Human Plasma	5 pg/mL	LC/MS/MS
Trimethoprim	Human Serum	100 ng/mL	HPLC/UV
Trimethoprim	Human Urine	2 µg/mL	HPLC/UV
Valproic Acid (total)	Human Plasma	0.5 µg/mL	GC/FID
Valproic Acid (free)	Human Plasma	0.25 µg/mL	GC/FID
Vincristine	Rat Plasma	10 ng/mL	LC/MS/MS
R-Warfarin	Human Plasma	10 ng/mL	LC/MS/MS
S-Warfarin	Human Plasma	10 ng/mL	LC/MS/MS
Zonisamide	Human Plasma	0.1 µg/mL	HPLC-UV

* Biomarker assay uses bovine serum albumin in phosphate buffered saline as surrogate matrix

