

List of Validated Bioanalytical Methods at XBL

Compound (Metabolite)	Platform	Matrix	Sample Volume	Calibration Range
9-NC and 9-AC	LC/MS/MS	Human Urine	2 mL	0.2-20 ng/mL
9-NC and 9-AC	LC/MS/MS	Rat Plasma	100 µL	0.5-50 ng/mL
9-NC and 9-AC	LC/MS/MS	Rabbit Plasma	250 µL	0.5-50 ng/mL
9-NC and 9-AC	LC/MS/MS	Dog Plasma	500 µL	0.2-20 ng/mL
9-NC and 9-AC	LC/MS/MS	Human Plasma	500 µL	0.2-20 ng/mL
Abamectin	LC/MS/MS	Sheep Plasma	200 µL	0.5-300 ng/mL
Albuterol	LC/MS/MS	Human Plasma	0.4mL	2-600 pg/mL
Amprenavir	LC/MS/MS	Rat Plasma	50 µL	10 - 5000 ng/mL
Beclomethasone	LC/MS/MS	Rat Plasma	100 µL	0.5-200 ng/mL
Beclomethasone Dipropionate and Beclomethasone-17-Propionate	LC/MS/MS	Human Plasma	500 µL	10-2500 (BDP), 20-5000 pg/mL (17-BMP)
Budesonide	LC/MS/MS	Human Plasma	500 µL	10-2000 pg/mL
Citalopram	LC/MS/MS	Human Plasma	1 mL	0.2-100 ng/mL
Clopidogrel/Clopidogrel Carboxylic Acid/Aspirin	LC/MS/MS	Human Plasma	200 µL	0.5-100 ng/mL /10-2000 ng/mL/monitor
Clozapine	LC/MS/MS	Human Plasma	1 mL	0.2-20 ng/mL
Cyclosporine A	LC/MS/MS	Human Blood	50 µL	5 - 1000 ng/mL
Decitabine	LC/MS/MS	Human Plasma	200 µL	1-100 ng/mL
Desirudin	LC/MS/MS	Human Plasma	500 µL	5-3000 ng/mL
Dextromethorphan and Dextrorphan	LC/MS/MS	Human Plasma	50 µL	0.1 - 50 ng/mL for Dextromethorphan, 1 - 500 ng/mL for Dextrorphan
Diltiazem, N-Desmethyl Diltiazem and Desacetyl Diltiazem	LC/MS/MS	Human Plasma	50 µL	2 - 1000 ng/mL for Diltiazem, 0.5 - 250 ng/mL for N-Desmethyl Diltiazem and Desacetyl Diltiazem
Eptifibatide	LC/MS/MS	Human Plasma	200 µL	2.5-500 ng/mL
Florfenicol Amine	LC/MS/MS	Beef Muscle	NA	0.025 to 0.5 ppm
Fluticasone Propionate	LC/MS/MS	Human Plasma	1 mL	3~1000 pg/mL
Fluticasone Propionate	LC/MS/MS	Human Plasma	1 mL	3~100 pg/mL

Fluticasone Propionate	LC/MS/MS	Human Plasma	0.6 mL	1 - 200 pg/mL
Formoterol	LC/MS/MS	Human Urine	2 mL(Method I), 1mL(Method II)	10~1250 pg/mL
Formoterol	LC/MS/MS	Human Plasma	500 µL	0.4-100 pg/mL
Formoterol	LC/MS/MS	Human Plasma	500 µL	0.4~40 pg/mL
Glimepiride	LC/MS/MS	Human Plasma	1 mL	0.2~100 ng/mL
Glipizide	LC/MS/MS	Human Plasma	400 µL	2~500 ng/mL
Glucose	LC/MS/MS	Human Plasma	100 µL	0.1 - 5 mg/mL
Guanfacine	LC/MS/MS	Human Plasma	500 µL	0.05-20 ng/mL
Iohexol	LC/MS/MS	Human Serum	50 µL	0.5 - 250 µg/mL
Irinotecan SN-38	LC/MS/MS	Mouse, Rat Plasma	NA	0.05-25 ng/mL for low range and 50-15000 ng/mL for high range
Ketorolac (R&S)	LC/MS/MS	Human Plasma	500 µL	10-1000 ng/mL (Ketorolac) 0.1~50 ng/mL (ORG-41793)
Leuprolide	LC/MS/MS	Dog Serum	200 µL	0.1-50 ng/mL
Leuprolide	LC/MS/MS	Rat Serum	100 µL	0.1~50 ng/mL
Leuprolide	LC/MS/MS	Human Serum	500 µL/100 µL	0.05~50 ng/mL/0.1~50 ng/mL
Metformin	LC/MS/MS	Human Plasma	100 µL	5 - 2500 ng/mL
Metformin	LC/MS/MS	Human Urine	100 µL	5 - 2500 ng/mL
Metformin	LC/MS/MS	Human Urine	50 µL	5 - 2500 µg/mL
Methotrexate, 7 Hydroxy Methotrexate	LC/MS/MS	Human Urine	100 µL	1~500 ng/mL
Midazolam and 1-OH Midazolam	LC/MS/MS	Human Plasma	100 µL	0.1 - 20 ng/mL
Naftifine	LC/MS/MS	Human Plasma	200 µL	0.02-10 ng/mL
Naftifine	LC/MS/MS	Mini-Pig Plasma	200 µL	0.05-35 ng/mL
Naftifine	LC/MS/MS	Human Urine	200 µL	1-1000 ng/mL
Nebivolol (chiral)	LC/MS/MS	Rat Plasma	100 µL	0.05-20 ng/mL
Nebivolol (chiral)	LC/MS/MS	Mouse Plasma	100 µL	0.05-20 ng/mL
Nebivolol (chiral)	LC/MS/MS	Dog Plasma	100 µL	0.05-20 ng/mL
Nebivolol (chiral)	LC/MS/MS	Guinea Pig Plasma	100 µL	0.05-20 ng/mL
Nebivolol (Total)	LC/MS/MS	Mouse Plasma	100 µL	0.05-20 ng/mL
Nebivolol (Total)	LC/MS/MS	Rat Plasma	100 µL	0.05-20 ng/mL

Nebivolol (Total)	LC/MS/MS	Dog Plasma	100 µL	0.05-20 ng/mL
Nebivolol (Total)	LC/MS/MS	Guinea Pig Plasma	100 µL	0.05-20 ng/mL
Ondansetron	LC/MS/MS	Human Plasma	1 mL	0.1-100 ng/mL
Orntide	LC/MS/MS	Human Serum	200 µL	0.1-50 ng/mL
Orntide	LC/MS/MS	Rat Serum	100 µL	1-500 ng/mL
Oxycodone/Noroxycodone/oxymorphone/noroxymorphone	LC/MS/MS	Human Plasma	250 µL	0.1-10 ng/mL/0.1-10 ng/mL/0.02-2 ng/mL/0.1-10 ng/mL
Oxytetracycline	LC/MS/MS	Tissues Bovine, Sheep	NA	0.5-120 ng/mL
Paclitaxel	LC/MS/MS	Human Plasma	100 µL	1-250 ng/mL
Paclitaxel	LC/MS/MS	Rat Plasma	100 µL	01214: 1-250 ng/mL; 03203: 0.2-100 ng/mL and 0.2-2000 ng/mL
Paliperidone	LC/MS/MS	Human Plasma	100 µL	0.1-40 ng/mL
<i>p</i> -Aminohippuric Acid	LC/MS/MS	Human Urine	50 µL	0.2 - 100 µg/mL
<i>p</i> -Aminohippuric Acid	LC/MS/MS	Human Plasma	50 µL	0.2 - 100 µg/mL
Paroxetine	LC/MS/MS	Human Plasma	200 µL	0.1-50 and 1-500 ng/mL
Pyrimethamine	LC/MS/MS	Human Plasma	100 µL	1-200 ng/mL
Ribavirin	LC/MS/MS	Human Plasma	100 µL	5-500 ng/mL
Rifampicin	LC/MS/MS	Human Plasma	50 µL	20 - 4000 ng/mL
Salmeterol	LC/MS/MS	Human Plasma	500 µL	4-800 pg/mL
Sertaconazole	LC/MS/MS	Rat Plasma	100 µL	0.01-7.5 ng/mL
Telbivudine	LC/MS/MS	Human Plasma	100 µL	10-5000 ng/mL
Terbinafine	LC/MS/MS	Human Plasma	1 mL	0.1-50 ng/mL
Thalidomide	LC/MS/MS	Monkey, Rabbit Plasma	100 µL	5-1000 ng/mL
Tin-Mesoporphyrin	LC/MS/MS	Human Plasma	100 µL	5-500 ng/mL
Tin-Mesoporphyrin	LC/MS/MS	Rabbit Plasma	100 µL	10-5000 ng/mL
Tin-Mesoporphyrin	LC/MS/MS	Rat Plasma, Dog Plasma	100 µL (dog) 50µL (rat)	10~5000 ng/mL
Tin-Mesoporphyrin	LC/MS/MS	Human, Dog, Rat Plasma	100 µL	5-1000 ng/mL for human, 5-50000 ng/mL for dog and rat
Tiotropium Bromide	LC/MS/MS	Human Plasma	500 µL	0.5 - 250 pg/mL
Tiotropium Bromide	LC/MS/MS	Human Urine	100 µL	10 - 5000 pg/mL

Triamcinolone	LC/MS/MS	Buffer	200 µL	5-250 and 250-5000 ng/mL
Triclosan	LC/MS/MS	Human Plasma, Urine	100 µL	10-300 ng/mL, 300-2000 ng/mL
Verapamil	LC/MS/MS	Human Plasma	100 µL	1 - 500 ng/mL
Virginiamycin	LC/MS/MS	porcine liver, kidney, muscle and	NA	25-1000 ppb
Zolpidem	LC/MS/MS	Human Plasma	1 mL	0.1~20 ng/mL