



ALTASCIENCES

ASSAY LIST

February 2025

Altasciences' assay list contains proprietary, validated assays suitable for regulated bioanalysis of small molecules, biotherapeutics, and biomarkers.

In addition, our custom assay services include substantial experience for development, optimization, and validation of sponsor-specific assays, specifically small molecule and biotherapeutic bioanalysis, immunogenicity testing, and biomarkers using ligand binding platforms and mass spectrometry.

Method Status: Validated - Biomarker

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|--|---------------|---------|--------|-------------------------------|---------------------|
| 2-HPMA | Biomarker | Human | Urine | MS/MS 6500+ and Selexion DMS | 2.5 - 750 ng/mL |
| 3-HPMA | Biomarker | Human | Urine | MS/MS 6500+ and Selexion DMS | 25 - 7500 ng/mL |
| 3-HMPMA | Biomarker | Human | Urine | MS/MS 5000 | 10 - 6000 ng/mL |
| 8-Hydroxy-2-deoxyguanosine | Biomarker | Human | Urine | LBA-ELISA-Biotek | 35.6 - 612 ng/mL |
| Butyrylcholinesterase | Biomarker | Human | Plasma | LBA-fluorometric | 0.3 - 20 mU/mL |
| C4d | Biomarker | Monkey | Plasma | LBA-ELISA-Synergy | 0.022 - µg/mL |
| CEMA (2-cyanoethylmercapturic acid) | Biomarker | Human | Urine | MS/MS 5000 | 0.2 - 200 ng/mL |
| Ceruloplasmin | Biomarker | Human | Serum | LBA-ELISA-Biotek | 2 - 75 ng/mL |
| Ceruloplasmin Ferroxidase Activity | Biomarker | Human | Serum | LBA-Colorimetric-Biotek | 125 - 1000 mU/mL |
| Complement Bb | Biomarker | Monkey | Plasma | LBA-ELISA-Synergy | 75 - 660 ng/mL |
| Complement C3a | Biomarker | Monkey | Plasma | LBA-ELISA-Synergy | 50 - 5170 pg/mL |
| Cotinine | Biomarker | Human | Plasma | MS/MS 5000 | 0.5 - 200 ng/mL |
| C-Reactive protein (CRP) | Biomarker | Human | Plasma | LBA-ELISA-Biotek | 1.529 - 49 µIU/mL |
| Creatinine | Biomarker | Human | Urine | LBA-Spectrophotometric-Biotek | 0.2 - 20 mg/dL |
| IFN-γ (panel 1) | Biomarker | Monkey | Serum | LBA-Electrochemiluminescence | 0.376 - 274 ng/mL |
| IL-10 (panel 1) | Biomarker | Monkey | Serum | LBA-Electrochemiluminescence | 49.52 - 36100 pg/mL |
| IL-12/IL-23p40 (panel 1) | Biomarker | Monkey | Serum | LBA-Electrochemiluminescence | 0.283 - 206 ng/mL |
| IL-1β (panel 1) | Biomarker | Monkey | Serum | LBA-Electrochemiluminescence | 49.79 - 36300 pg/mL |
| IL-2 (panel 1) | Biomarker | Monkey | Serum | LBA-Electrochemiluminescence | 27.85 - 20300 pg/mL |
| IL-4 (panel 1) | Biomarker | Monkey | Serum | LBA-Electrochemiluminescence | 27.98 - 20400 pg/mL |
| IL-6 (panel 1) | Biomarker | Monkey | Serum | LBA-Electrochemiluminescence | 28.26 - 20600 pg/mL |
| IL-8 (panel 1) | Biomarker | Monkey | Serum | LBA-Electrochemiluminescence | 27.57 - 20100 pg/mL |
| MCP-1 (panel 1) | Biomarker | Monkey | Serum | LBA-Electrochemiluminescence | 75.17 - 54800 pg/mL |
| TNF-α (panel 1) | Biomarker | Monkey | Serum | LBA-Electrochemiluminescence | 50.07 - 36500 pg/mL |
| Endothelin-1 | Biomarker | Human | Plasma | LBA-ELISA-Biotek | 0.5 - 12.50 pg/mL |
| Endothelin-1 | Biomarker | Human | Plasma | LBA-ELISA-Biotek | 0.5 - 12.5 pg/mL |
| Glucagon | Biomarker | Human | Plasma | MS/MS 5000 | 10 - 500 pg/mL |
| Glucagon | Biomarker | Human | Plasma | LBA-ELISA | 5 - 250 pg/mL |
| Glutathione (total) | Biomarker | Human | Plasma | LBA-Colorimetric-Biotek | 1.003 - 13.00 µM |
| Heparin | Biomarker | Human | Plasma | LBA-Chromogenic-Biotek | 0.05 - 1.2 IU/mL |
| Interleukin-1 Beta | Biomarker | Human | Urine | LBA-ELISA-MSD | 20 - 7500 IU/dL |
| Interleukin-6 (IL-6) | Biomarker | Human | Serum | LBA-ELISA-MSD | 0.644 - 170.7 pg/mL |
| TNF-α | Biomarker | Human | Serum | LBA-ELISA-MSD | 0.61 - 80 pg/mL |
| Lipid Peroxidation (Thiobarbituric Acid Reactive Substances (TBARS)) | Biomarker | Human | Urine | LBA-Spectrophotometric-Biotek | 260 - 16700 nM |
| Magnesium | Biomarker | Human | Serum | LBA-colorimetric-Biotek | 0.6 - 5 mg/dL |
| Nicotine (nicotine equivalents) | Biomarker | Human | Urine | MS/MS 5000 | 10 - 10000 ng/mL |
| [Cotinine] | Biomarker | Human | Urine | MS/MS 5000 | 10 - 5000 ng/mL |
| [Cotinine-N-glucuronide] | Biomarker | Human | Urine | MS/MS 5000 | 20 - 10000 ng/mL |
| [Nicotine-N-glucuronide] | Biomarker | Human | Urine | MS/MS 5000 | 10 - 5000 ng/mL |
| [trans-3'-Hydroxycotinine] | Biomarker | Human | Urine | MS/MS 5000 | 10 - 10000 ng/mL |
| [trans-3'-Hydroxycotinine-O-glucuronide] | Biomarker | Human | Urine | MS/MS 5000 | 50 - 15000 ng/mL |

Method Status: Validated - Biomarker

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|--|---------------|---------|--------|-------------------------------|---------------------|
| NNAL (total) | Biomarker | Human | Urine | MS/MS 6500+ and Selexion DMS | 5 - 1000 pg/mL |
| NNN (N'-Nitrosonorcotine) (total) | Biomarker | Human | Urine | MS/MS 6500+ and Selexion DMS | 0.2 - 200 pg/mL |
| Omega-3 ethyl esters (DHA ethyl ester) | Biomarker | Human | Plasma | MS/MS 5000 | 0.5 - 200 ng/mL |
| Omega-3 ethyl esters (EPA ethyl ester) | Biomarker | Human | Plasma | MS/MS 5000 | 0.5 - 200 ng/mL |
| Omega-3 free (unconjugated DHA) | Biomarker | Human | Plasma | MS/MS 5000 | 40 - 2500 ng/mL |
| Omega-3 free (unconjugated EPA) | Biomarker | Human | Plasma | MS/MS 5000 | 10 - 1000 ng/mL |
| Omega-3 total (total DHA) | Biomarker | Human | Plasma | MS/MS 5000 | 10 - 200 µg/mL |
| Omega-3 total (total EPA) | Biomarker | Human | Plasma | MS/MS 5000 | 2 - 200 µg/mL |
| Omega-3 total (total DHA) | Biomarker | Dog | Plasma | MS/MS 5000 | 2 - 400 µg/mL |
| Omega-3 total (total DHA) Mouse | Biomarker | Mouse | Plasma | MS/MS 5000 | 2 - 400 µg/mL |
| Omega-3 total (total EPA) Mouse | Biomarker | Mouse | Plasma | MS/MS 5000 | 2 - 400 µg/mL |
| Omega-3 total (total EPA) | Biomarker | Dog | Plasma | MS/MS 5000 | 2 - 400 µg/mL |
| Omega-3 total (total ALA, alpha-linolenic acid) | Biomarker | Human | Plasma | MS/MS 5500 | 5 - 200 µg/mL |
| Omega-3 total (total DPA, docosapentaenoic acid) | Biomarker | Human | Plasma | MS/MS 5500 | 5 - 100 µg/mL |
| Omega-3 total (total DHA) | Biomarker | Rabbit | Plasma | MS/MS 5000 | 2 - 400 µg/mL |
| Omega-3 total (total EPA) | Biomarker | Rabbit | Plasma | MS/MS 5000 | 2 - 400 µg/mL |
| Omega-3 total (total DHA) | Biomarker | Rat | Plasma | MS/MS 5000 | 2 - 400 µg/mL |
| Omega-3 total (total EPA) | Biomarker | Rat | Plasma | MS/MS 5000 | 2 - 400 µg/mL |
| Protein carbonyl | Biomarker | Human | Serum | LBA-ELISA-Biotek | 0.375 - 6 nmol/mg |
| SC5b-9 | Biomarker | Monkey | Plasma | LBA-ELISA-Synergy | 8.8 - 170 ng/mL |
| Sex Hormone Binding Globulin (SHBG) | Biomarker | Human | Serum | LBA-ELISA-Biotek | 62.5 - 2000 pmol/L |
| Superoxide Dismutase Activity | Biomarker | Human | Serum | LBA-Spectrophotometric-Biotek | 115 - 1150 U/L |
| Testosterone | Biomarker | Human | Serum | MS/MS 5000 | 25 - 12500 pg/mL |
| [Dihydrotestosterone] | Biomarker | Human | Serum | MS/MS 5000 | 10 - 5000 pg/mL |
| Total Antioxidant Capacity (Trolox) | Biomarker | Human | Serum | LBA-Spectrophotometric-Biotek | 20 - 200 µM |
| trans-3'-Hydroxycotinine | Biomarker | Human | Plasma | MS/MS 5000 | 1 - 500 ng/mL |

Method Status: Validated - Biotherapeutics

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|---|----------------|----------|--------|-------------------------|---------------------|
| Semaglutide | Biotherapeutic | Human | Plasma | MS/MS 6500Plus | 0.5 - 100 ng/mL |
| Albumin | Biotherapeutic | Human | Serum | LBA-Colorimetric-Biotek | 7.5 - 50 mg/mL |
| Exenatide | Biotherapeutic | Human | Plasma | MS/MS 5000 | 10 - 2000 pg/mL |
| Exenatide | Biotherapeutic | Human | Plasma | MS/MS 5000 | 20 - 2000 pg/mL |
| Exenatide | Biotherapeutic | Rat | Plasma | MS/MS 5000 | 0.1 - 20 ng/mL |
| Glucagon | Biotherapeutic | Human | Plasma | MS/MS 5000 | 0.1 - 10 ng/mL |
| Glucagon | Biotherapeutic | Human | Plasma | MS/MS 5000 | 10 - 500 pg/mL |
| Glucagon | Biotherapeutic | Rat | Plasma | MS/MS 5000 | 0.2 - 40 ng/mL |
| Glucagon | Biotherapeutic | Mini-pig | Plasma | MS/MS 5000 | 0.2 - 40 ng/mL |
| Glucagon | Biotherapeutic | Rat | Plasma | MS/MS 5000 | 0.4 - 40 ng/mL |
| Glucagon | Biotherapeutic | Human | Plasma | MS/MS 5000 | 0.1 - 10 ng/mL |
| IgG Antibodies to Keyhole Limpet Hemocyanin (KLH) | Biotherapeutic | Monkey | Serum | LBA-ELISA | 0.94 - 30 ng/mL |
| IgM Antibodies to Keyhole Limpet Hemocyanin (KLH) | Biotherapeutic | Monkey | Serum | LBA-ELISA | 12.5 - 400 ng/mL |
| Insulin glargine | Biotherapeutic | Human | Plasma | MS/MS 5000 | 50 - 10000 pg/mL |
| [Insulin glargine M1] | Biotherapeutic | Human | Plasma | MS/MS 5000 | 50 - 10000 pg/mL |
| [Insulin glargine M2] | Biotherapeutic | Human | Plasma | MS/MS 5000 | 50 - 10000 pg/mL |
| Lanreotide | Biotherapeutic | Human | Plasma | MS/MS 5000 | 50 - 15000 pg/mL |
| Octreotide | Biotherapeutic | Human | Plasma | MS/MS 5500 | 25 - 25000 pg/mL |
| Pembrolizumab | Biotherapeutic | Human | Serum | LBA-ELISA | 3 - 52 µg/mL |
| Protein concentration | Biotherapeutic | Human | Serum | LBA-ELISA-Biotek | 50 - 2000 µg/mL |
| Rituximab | Biotherapeutic | Human | Plasma | MS/MS 5000 | 4 - 400 µg/mL |
| Tirzepatide | Biotherapeutic | Human | Plasma | MS/MS 6500Plus | 3 - 2500 ng/mL |
| Total protein BCA | Biotherapeutic | Nap | nap | LBA-Colorimetric | 50 - 2000 µg/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|--|----------------|---------|-----------------|------------|---------------------|
| (1S,2S)-(+)-Pseudoephedrine | Small Molecule | Human | Plasma | MS/MS 3000 | 2 - 600 ng/mL |
| Doxepin (E) | Small Molecule | Human | Plasma | MS/MS 5500 | 0.1 - 50 ng/mL |
| Doxepin (Z) | Small Molecule | Human | Plasma | MS/MS 5500 | 10 - 10000 pg/mL |
| 1,3-Propanediol | Small Molecule | Rat | Plasma | MS/MS 5000 | 0.2 - 100 µg/mL |
| 3-Ketodesogestrel (after desogestrel administration) | Small Molecule | Human | Plasma (Female) | MS/MS 5000 | 25 - 5000 pg/mL |
| Abacavir | Small Molecule | Human | Plasma | MS/MS 3000 | 25 - 10000 ng/mL |
| Lamivudine | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 5000 ng/mL |
| Abacavir | Small Molecule | Human | Plasma | MS/MS 3000 | 25 - 10000 ng/mL |
| Dolutegravir | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 7500 ng/mL |
| Lamivudine | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 5000 ng/mL |
| Abiraterone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 250 ng/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|--|----------------|---------|--------|------------|---------------------|
| Acetaminophen | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 30 µg/mL |
| Acetazolamide | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 40 µg/mL |
| Acetylsalicylic acid | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 5000 ng/mL |
| [Salicylic acid] | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 20000 ng/mL |
| Acetylsalicylic acid | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 1000 ng/mL |
| Acetylsalicylic Acid | Small Molecule | Rat | Plasma | MS/MS 5000 | 2 - 2000 ng/mL |
| [Salicylic Acid] | Small Molecule | Rat | Plasma | MS/MS 5000 | 400 - 50000 ng/mL |
| Adapalene | Small Molecule | Human | Plasma | MS/MS 5500 | 50 - 1500 pg/mL |
| Afatinib | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 70 ng/mL |
| Agomelatine | Small Molecule | Human | Plasma | MS/MS 3000 | 0.02 - 40 ng/mL |
| Allopurinol | Small Molecule | Human | Plasma | MS/MS 5000 | 20 - 5000 ng/mL |
| Almotriptan | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 100 ng/mL |
| Alprazolam | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 50000 pg/mL |
| Alverine | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 4000 pg/mL |
| Amantadine | Small Molecule | Human | Plasma | MS/MS 3000 | 2 - 2000 ng/mL |
| Ambrisentan | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 1500 ng/mL |
| Amifampridine | Small Molecule | Human | Urine | MS/MS 5000 | 4 - 2000 ng/mL |
| [3-N-Acetylamifampridine] | Small Molecule | Human | Urine | MS/MS 5000 | 4 - 2000 ng/mL |
| Aminocaproic acid | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 60 µg/mL |
| Amlodipine | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 30000 pg/mL |
| Bisoprolol | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 75 ng/mL |
| Amlodipine | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 15000 pg/mL |
| Amoxicillin | Small Molecule | Human | Plasma | MS/MS 3000 | 0.2 - 40 µg/mL |
| Amphetamine chiral (R) (l-amphetamine) | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 35 ng/mL |
| Amphetamine chiral (S) (d-amphetamine) | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 100 ng/mL |
| Anastrozole | Small Molecule | Human | Plasma | MS/MS 3000 | 0.2 - 25 ng/mL |
| Apixaban | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 500 ng/mL |
| Apomorphine | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 25000 pg/mL |
| Apremilast | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 800 ng/mL |
| Aprepitant | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 6000 ng/mL |
| Aripiprazole | Small Molecule | Human | Plasma | MS/MS 3000 | 1.5 - 300 ng/mL |
| Aripiprazole | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 150 ng/mL |
| Asenapine | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 7500 pg/mL |
| Atazanavir | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 8000 ng/mL |
| Atorvastatin | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 20000 pg/mL |
| Atorvastatin | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 60 ng/mL |
| [2-Hydroxyatorvastatin] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 60 ng/mL |
| [4-Hydroxyatorvastatin] | Small Molecule | Human | Plasma | MS/MS 5000 | 30 - 3000 pg/mL |
| Atovaquone | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 3000 ng/mL |
| Atovaquone | Small Molecule | Human | Plasma | MS/MS 3000 | 25 - 15000 ng/mL |
| Azithromycin | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 3000 ng/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|---|----------------|---------|--------|----------------|---------------------|
| Azithromycin | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 900 ng/mL |
| Barnidipine | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 4000 pg/mL |
| Bendroflumethiazide chiral (R) | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 200 ng/mL |
| Bendroflumethiazide chiral (S) | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 200 ng/mL |
| Betahistine (pyridylacetic acid) | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 1000 ng/mL |
| Bexarotene | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 200 ng/mL |
| Bicalutamide | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 2000 ng/mL |
| Bictegravir | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 12500 ng/mL |
| Tenofovir Alafenamide | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 600 ng/mL |
| Bisoprolol | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 75 ng/mL |
| Bisoprolol | Small Molecule | Human | Plasma | MS/MS 5000 | 75 - 30000 pg/mL |
| Bosentan | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 3500 ng/mL |
| Brimonidine | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 5000 pg/mL |
| Brivaracetam | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 10000 ng/mL |
| Budesonide | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 4000 pg/mL |
| Budesonide | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 4000 pg/mL |
| [6beta-Hydroxybudesonide] | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 2000 pg/mL |
| Bupivacaine | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 5000 pg/mL |
| Bupivacaine | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 750 ng/mL |
| [Pipicolylxylidine (PPX)] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 100 ng/mL |
| Buprenorphine | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 2000 pg/mL |
| Buprenorphine | Small Molecule | Human | Plasma | MS/MS 5000 | 15 - 10000 pg/mL |
| [Norbuprenorphine] | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 5000 pg/mL |
| Bupropion | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 250 ng/mL |
| [Hydroxybupropion] | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 1000 ng/mL |
| Bupropion | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 750 ng/mL |
| [Erythro-dihydrobupropion] | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 100 ng/mL |
| [Hydroxybupropion] | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 1500 ng/mL |
| [Threo-dihydrobupropion] | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 750 ng/mL |
| Butalbital | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 2400 ng/mL |
| Caffeine | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 2000 ng/mL |
| Caffeine | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 10000 ng/mL |
| [Paraxanthine] | Small Molecule | Human | Plasma | MS/MS 5000 | 20 - 8000 ng/mL |
| Canagliflozin | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 6000 ng/mL |
| Candesartan | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 500 ng/mL |
| Cannabidiol | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 250 ng/mL |
| [7-Carboxycannabidiol (cannabidiol-7-oic acid)] | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 1000 ng/mL |
| [7-Hydroxycannabidiol] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 250 ng/mL |
| Captopril | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 3000 ng/mL |
| Carbamazepine | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 5000 ng/mL |
| Cannabichromene | Small Molecule | Human | Plasma | MS/MS 6500Plus | 50 - 30000 pg/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|-------------------------------------|----------------|---------|--------|----------------|---------------------|
| Cannabigerol | Small Molecule | Human | Plasma | MS/MS 6500Plus | 25 - 7500 pg/mL |
| [Cannabidiol] | Small Molecule | Human | Plasma | MS/MS 6500Plus | 25 - 7500 pg/mL |
| [Cannabinol] | Small Molecule | Human | Plasma | MS/MS 6500Plus | 25 - 15000 pg/mL |
| Tetrahydrocannabinol (THC) | Small Molecule | Human | Plasma | MS/MS 6500Plus | 50 - 30000 pg/mL |
| Cefixime | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 10000 ng/mL |
| Cefpodoxime | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 5000 ng/mL |
| Cefprozil (E) | Small Molecule | Human | Plasma | MS/MS 3000 | 0.225 - 22.5 µg/mL |
| Cefprozil (Z) | Small Molecule | Human | Plasma | MS/MS 3000 | 25 - 2500 ng/mL |
| Celecoxib | Small Molecule | Human | Plasma | MS/MS 3000 | 3 - 2400 ng/mL |
| Cetirizine | Small Molecule | Rat | Plasma | MS/MS 5500 | 0.1 - 100 µg/mL |
| Cetirizine | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 500 ng/mL |
| Chlordiazepoxide | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 1000 ng/mL |
| Chlorhexidine | Small Molecule | Human | Plasma | MS/MS 5000 | 200 - 7500 pg/mL |
| Chlorpheniramine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 40 ng/mL |
| Hydrocodone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 40 ng/mL |
| Chlorpheniramine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.05 - 30 ng/mL |
| Hydrocodone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.05 - 30 ng/mL |
| Cinacalcet | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 100 ng/mL |
| Ciprofloxacin | Small Molecule | Human | Plasma | MS/MS 5000 | 20 - 8000 ng/mL |
| Citalopram (S-citalopram) (achiral) | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 100 ng/mL |
| Citric acid | Small Molecule | Human | Urine | MS/MS 3000 | 20 - 1000 µg/mL |
| Clarithromycin | Small Molecule | Human | Plasma | MS/MS 3000 | 20 - 4000 ng/mL |
| [14-R-OH Clarithromycin] | Small Molecule | Human | Plasma | MS/MS 3000 | 15 - 3000 ng/mL |
| Clidinium | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 2000 pg/mL |
| Clindamycin | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 7000 ng/mL |
| Clobazam | Small Molecule | Human | Plasma | MS/MS 5000 | 2.5 - 1000 ng/mL |
| [N-Desmethyloclobazam] | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 200 ng/mL |
| Clofazimine | Small Molecule | Human | Plasma | MS/MS 3000 | 2 - 640 ng/mL |
| Clomethiazole | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 1000 ng/mL |
| Clonidine | Small Molecule | Human | Plasma | MS/MS 5000 | 3 - 1000 pg/mL |
| Clopidogrel | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 10000 pg/mL |
| Clopidogrel | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 6000 pg/mL |
| Clopidogrel acid | Small Molecule | Human | Plasma | MS/MS 3000 | 20 - 7500 ng/mL |
| Cocaine | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 650 ng/mL |
| [Benzoylcegonine] | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 650 ng/mL |
| [Ecgonine methyl ester] | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 100 ng/mL |
| [Ecgonine] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 100 ng/mL |
| [Norcocaine] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.15 - 100 ng/mL |
| Cocaine | Small Molecule | Human | Urine | MS/MS 5000 | 5 - 2500 ng/mL |
| [Benzoylcegonine] | Small Molecule | Human | Urine | MS/MS 5000 | 30 - 15000 ng/mL |
| [Ecgonine methyl ester] | Small Molecule | Human | Urine | MS/MS 5000 | 30 - 15000 ng/mL |
| [Ecgonine] | Small Molecule | Human | Urine | MS/MS 5000 | 10 - 5000 ng/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|--|----------------|---------|-----------------|------------|---------------------|
| [Norcocaine] | Small Molecule | Human | Urine | MS/MS 5000 | 2 - 1000 ng/mL |
| Codeine | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 300 ng/mL |
| Codeine | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 300 ng/mL |
| [Codeine-6-glucuronide] | Small Molecule | Human | Plasma | MS/MS 5000 | 20 - 5000 ng/mL |
| [Morphine] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 20 ng/mL |
| [Morphine-6-glucuronide] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 40 ng/mL |
| Colchicine | Small Molecule | Human | Plasma | MS/MS 5000 | 20 - 18000 pg/mL |
| Cortisol (hydrocortisone) | Small Molecule | Human | Urine | MS/MS 5000 | 0.5 - 250 ng/mL |
| [6-beta-Hydroxycortisol] | Small Molecule | Human | Urine | MS/MS 5000 | 5 - 1600 ng/mL |
| Cortisol (Hydrocortisone) | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 800 ng/mL |
| Cyclophosphamide | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 30 µg/mL |
| [4-Ketocyclophosphamide] | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 1000 ng/mL |
| Cyclosporin | Small Molecule | Human | Blood | MS/MS 3000 | 1 - 1000 ng/mL |
| Cyproterone acetate | Small Molecule | Human | Plasma (female) | MS/MS 5000 | 0.1 - 50 ng/mL |
| Dabigatran (free) | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 300 ng/mL |
| Dabigatran (total) | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 300 ng/mL |
| Dapagliflozin | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 500 ng/mL |
| Dapsone | Small Molecule | Human | Plasma | MS/MS 3000 | 25 - 4000 ng/mL |
| Darunavir | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 20000 ng/mL |
| Dasatinib | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 250 ng/mL |
| Decitabine | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 500 ng/mL |
| Deferasirox (total) | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 100 µg/mL |
| Desfesoterodine (5-hydroxymethyltolterodine) | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 15000 pg/mL |
| [SPM-5509 (5-carboxytolterodine)] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 30 ng/mL |
| (R)-Desfesoterodine ((R)-5-hydroxymethyltolterodine) | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 7500 pg/mL |
| (S)-Desfesoterodine ((S)-5-hydroxymethyltolterodine) | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 7500 pg/mL |
| Desloratadine | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 4500 pg/mL |
| [3-Hydroxydesloratadine] | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 2000 pg/mL |
| Desoximetasone | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 2500 pg/mL |
| Desvenlafaxine | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 800 ng/mL |
| Dexamethasone | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 150 ng/mL |
| Dexamethasone | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 500 ng/mL |
| Dextromethorphan | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 20000 pg/mL |
| [Dextrorphan] | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 10000 pg/mL |
| Diacerin (rhein) | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 6000 ng/mL |
| Diazepam | Small Molecule | Human | Plasma | MS/MS 5000 | 1.5 - 1500 ng/mL |
| [Nordiazepam] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 200 ng/mL |
| Diclofenac | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 4000 ng/mL |
| Diclofenac | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 10000 pg/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|--------------------------------|----------------|---------|-----------------------|----------------|---------------------|
| Diclofenac | Small Molecule | Human | Ringer Microdialysate | MS/MS 5000 | 50 - 10000 pg/mL |
| Digoxin | Small Molecule | Human | Plasma | MS/MS 5000 | 15 - 3500 pg/mL |
| Diltiazem | Small Molecule | Human | Plasma | MS/MS 3000 | 2.5 - 400 ng/mL |
| [Desacetyldiltiazem] | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 100 ng/mL |
| [N-Desmethyldiltiazem] | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 100 ng/mL |
| Diphenhydramine | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 120 ng/mL |
| Dipyridamole | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 4000 ng/mL |
| Dofetilide | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 5000 pg/mL |
| Domperidone | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 50 ng/mL |
| Donepezil | Small Molecule | Human | Plasma | MS/MS 3000 | 0.25 - 50 ng/mL |
| [6-O-Desmethyldonepezil] | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 10000 pg/mL |
| Doxycycline | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 3000 ng/mL |
| Doxylamine | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 200 ng/mL |
| Dronedarone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 200 ng/mL |
| Drospirenone | Small Molecule | Human | Plasma (Female) | MS/MS 5000 | 0.2 - 100 ng/mL |
| Ethinyl Estradiol | Small Molecule | Human | Plasma (Female) | MS/MS 5000 | 1 - 500 pg/mL |
| Droxidopa | Small Molecule | Human | Plasma | MS/MS 5000 | 15 - 15000 ng/mL |
| Duloxetine | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 100 ng/mL |
| Dutasteride | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 4000 pg/mL |
| Ebastine | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 20000 pg/mL |
| [Carebastine] | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 400 ng/mL |
| Efavirenz | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 6000 ng/mL |
| Emtricitabine | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 4000 ng/mL |
| Tenofovir | Small Molecule | Human | Plasma | MS/MS 5000 | 2.5 - 800 ng/mL |
| Eflornithine | Small Molecule | Human | Plasma | MS/MS 5000 | 35 - 35000 ng/mL |
| Elagolix | Small Molecule | Human | Plasma | MS/MS 5000 | 2.5 - 2500 ng/mL |
| Eletriptan | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 400 ng/mL |
| Eltrombopag | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 20000 ng/mL |
| Empagliflozin | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 1000 ng/mL |
| Emtricitabine | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 4000 ng/mL |
| Tenofovir | Small Molecule | Human | Plasma | MS/MS 5000 | 2.5 - 800 ng/mL |
| Emtricitabine | Small Molecule | Human | Plasma | MS/MS 6500Plus | 10 - 4000 ng/mL |
| Tenofovir | Small Molecule | Human | Plasma | MS/MS 6500Plus | 0.5 - 100 ng/mL |
| Enalapril | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 300 ng/mL |
| [Enalaprilat] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 300 ng/mL |
| Endomiphene (trans-Clomiphene) | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 10000 pg/mL |
| Zuclomiphene (cis-Clomiphene) | Small Molecule | Human | Plasma | MS/MS 5000 | 100 - 20000 pg/mL |
| Entacapone | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 2500 ng/mL |
| Entecavir | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 20000 pg/mL |
| Epinephrine | Small Molecule | Human | Plasma | MS/MS 5500 | 20 - 10000 pg/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|--------------------------------------|----------------|---------|---------------------------------|-------------------------------|---------------------|
| Eplerenone | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 2000 ng/mL |
| Erlotinib | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 3000 ng/mL |
| Eslicarbazepine | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 25000 ng/mL |
| Estradiol unconjugated | Small Molecule | Human | Plasma (Female Post-menopausal) | MS/MS 5000 | 1 - 200 pg/mL |
| Estrone unconjugated | Small Molecule | Human | Plasma (Female Post-menopausal) | MS/MS 5000 | 5 - 1000 pg/mL |
| Estrone glucuronide | Small Molecule | Human | Plasma (Female Post-menopausal) | MS/MS 5000 | 0.1 - 100 ng/mL |
| Estrone sulfate | Small Molecule | Human | Plasma (Female Post-menopausal) | MS/MS 5000 | 0.1 - 100 ng/mL |
| Ethinyl estradiol | Small Molecule | Human | Plasma (Female) | MS/MS 5000 | 1 - 250 pg/mL |
| Etifoxine | Small Molecule | Human | Plasma | MS/MS 3000 | 2 - 250 ng/mL |
| Etoricoxib | Small Molecule | Human | Plasma | MS/MS 3000 | 20 - 4000 ng/mL |
| Everolimus | Small Molecule | Human | Blood | MS/MS 5000 | 0.1 - 75 ng/mL |
| Everolimus | Small Molecule | Human | Blood | MS/MS 5000 | 0.5 - 250 ng/mL |
| Exemestane | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 50000 pg/mL |
| Ezetimibe conjugated | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 200 ng/mL |
| Ezetimibe unconjugated | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 15000 pg/mL |
| Fampridine (dalfampridine) | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 60 ng/mL |
| Febuxostat | Small Molecule | Human | Plasma | MS/MS 3000 | 20 - 10000 ng/mL |
| Felodipine | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 15 ng/mL |
| Felodipine | Small Molecule | Human | Plasma | MS/MS 3000 | 20 - 20000 pg/mL |
| Fenofibric acid | Small Molecule | Human | Plasma | MS/MS 3000 | 40 - 15000 ng/mL |
| Fenretinide | Small Molecule | Human | Plasma | MS/MS 3000 | 40 - 4000 ng/mL |
| [4-Methoxyfenretinide] | Small Molecule | Human | Plasma | MS/MS 3000 | 40 - 4000 ng/mL |
| Fentanyl | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 20000 pg/mL |
| Fentanyl | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 6000 pg/mL |
| Fentanyl | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 1000 pg/mL |
| Ferumoxytol (Total Serum Iron) | Small Molecule | Human | Serum | LBA-Spectrophotometric-Biotek | 50 - 2500 µg/dL |
| Ferumoxytol (Transferrin-Bound Iron) | Small Molecule | Human | Serum | LBA-Spectrophotometric-Biotek | 50 - 800 µg/dL |
| Fesoterodine | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 2000 pg/mL |
| Fexofenadine | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 500 ng/mL |
| Finasteride | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 75 ng/mL |
| Fingolimod | Small Molecule | Human | Blood | MS/MS 5000 | 10 - 1000 pg/mL |
| Fingolimod | Small Molecule | Human | Blood | MS/MS 5000 | 20 - 2000 pg/mL |
| [Fingolimod phosphate] | Small Molecule | Human | Blood | MS/MS 5500 | 70 - 1500 pg/mL |
| Flecainide | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 500 ng/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|---------------------------|----------------|---------|--------|------------|---------------------|
| Fluconazole | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 10000 ng/mL |
| Fludrocortisone | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 2000 pg/mL |
| Fluindione | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 6 µg/mL |
| Flunitrazepam | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 30 ng/mL |
| Fluvastatin | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 800 ng/mL |
| (3R,5S)-Fluvastatin | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 500 ng/mL |
| (3S,5R)-Fluvastatin | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 500 ng/mL |
| Fluvoxamine (trans) | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 100 ng/mL |
| Free Dabigatran | Small Molecule | Human | Plasma | MS/MS 5000 | 0.3 - 300 ng/mL |
| Frovatriptan | Small Molecule | Human | Blood | MS/MS 5000 | 25 - 15000 pg/mL |
| Furosemide | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 5000 ng/mL |
| Furosemide | Small Molecule | Human | Urine | MS/MS 5000 | 10 - 5000 ng/mL |
| Gabapentin | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 10000 ng/mL |
| Galantamine | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 75 ng/mL |
| Gamma hydroxybutyric acid | Small Molecule | Human | Plasma | MS/MS 3000 | 0.2 - 150 µg/mL |
| Gefitinib | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 400 ng/mL |
| Gestodene | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 6000 pg/mL |
| Glimepiride | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 500 ng/mL |
| Glyburide (glibenclamide) | Small Molecule | Human | Plasma | MS/MS 3000 | 2.5 - 400 ng/mL |
| Granisetron | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 20000 pg/mL |
| Haloperidol | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 2000 pg/mL |
| Hydrochlorothiazide | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 300 ng/mL |
| Hydrochlorothiazide | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 300 ng/mL |
| Telmisartan | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 500 ng/mL |
| Hydrocodone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 200 ng/mL |
| Hydromorphone | Small Molecule | Human | Plasma | MS/MS 3000 | 30 - 5000 pg/mL |
| Hydroxychloroquine | Small Molecule | Human | Blood | MS/MS 5000 | 1 - 400 ng/mL |
| Hydroxyzine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 150 ng/mL |
| Ibandronate | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 300 ng/mL |
| Ibandronate | Small Molecule | Human | Plasma | MS/MS 3000 | 0.25 - 250 ng/mL |
| Ibrutinib | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 150 ng/mL |
| Ibrutinib | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 50000 pg/mL |
| Ibuprofen (R) | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 25 µg/mL |
| Ibuprofen (S) | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 25 µg/mL |
| Ibuprofen (achiral) | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 25 µg/mL |
| Ibuprofen (achiral) | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 50000 ng/mL |
| Ibuprofen (achiral) | Small Molecule | Human | Plasma | MS/MS 3000 | 0.2 - 150 µg/mL |
| Ibuprofen (R) | Small Molecule | Rat | Plasma | MS/MS 3000 | 0.5 - 500 µg/mL |
| Ibuprofen (S) | Small Molecule | Rat | Plasma | MS/MS 3000 | 0.5 - 500 µg/mL |
| Ibuprofen (R) | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 50 µg/mL |
| Ibuprofen (S) | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 50 µg/mL |
| Idarubicin | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 1500 ng/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|--|----------------|---------|-----------------|-------------------------------|---------------------|
| [Idarubicinol] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.15 - 30 ng/mL |
| Idelalisib | Small Molecule | Human | Plasma | MS/MS 3000 | 15 - 6500 ng/mL |
| Imatinib | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 4000 ng/mL |
| [N-Desmethyl Imatinib] | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 400 ng/mL |
| Indapamide | Small Molecule | Human | Blood | MS/MS 5000 | 0.5 - 300 ng/mL |
| Indomethacin | Small Molecule | Human | Plasma | MS/MS 3000 | 25 - 5000 ng/mL |
| Irbesartan | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 8000 ng/mL |
| Irbesartan | Small Molecule | Human | Plasma | MS/MS 3000 | 20 - 8000 ng/mL |
| Iron (Total Serum Iron from Ferric Carboxymaltose) | Small Molecule | Human | Serum | LBA-Spectrophotometric-Biotek | 60.2 - 2500 µg/dL |
| Iron (Transferrin-Bound Iron from Ferric Carboxymaltose) | Small Molecule | Human | Serum | LBA-Spectrophotometric-Biotek | 50 - 800 µg/dL |
| Iron Sucrose (Total Serum Iron) | Small Molecule | Human | Serum | LBA-Spectrophotometric-Biotek | 50 - 2500 µg/dL |
| Iron Sucrose (Transferrin-Bound Iron) | Small Molecule | Human | Serum | LBA-Spectrophotometric-Biotek | 50 - 800 µg/dL |
| Isosorbide-5-mononitrate | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 1500 ng/mL |
| Itopride | Small Molecule | Human | Plasma | MS/MS 5500 | 2 - 500 ng/mL |
| Itraconazole | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 4000 ng/mL |
| Itraconazole | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 600 ng/mL |
| [Hydroxyitraconazole] | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 1000 ng/mL |
| Ivabradine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 100 ng/mL |
| [N-Desmethylyvabradine] | Small Molecule | Human | Plasma | MS/MS 5000 | 100 - 10000 pg/mL |
| Ivabradine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 100 ng/mL |
| [N-Desmethylyvabradine] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 10 ng/mL |
| Ivermectin B1a | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 75 ng/mL |
| Ivermectin B1b | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 7500 pg/mL |
| Ketoprofen | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 20000 ng/mL |
| Lacidipine | Small Molecule | Human | Plasma | MS/MS 3000 | 20 - 12000 pg/mL |
| Lacosamide | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 10000 ng/mL |
| Lamotrigine | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 1500 ng/mL |
| Lamotrigine | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 10000 ng/mL |
| Lansoprazole | Small Molecule | Human | Plasma | MS/MS 3000 | 2.5 - 2000 ng/mL |
| Lansoprazole | Small Molecule | Human | Plasma | MS/MS 3000 | 1.0 - 1000 ng/mL |
| Lenalidomide | Small Molecule | Human | Plasma | MS/MS 5000 | 2.5 - 1000 ng/mL |
| Lercanidipine (R) | Small Molecule | Human | Plasma | MS/MS 3000 | 25 - 5000 pg/mL |
| Lercanidipine (S) | Small Molecule | Human | Plasma | MS/MS 3000 | 25 - 5000 pg/mL |
| Letrozole | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 60 ng/mL |
| Levetiracetam | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 65 µg/mL |
| Levodopa | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 5000 ng/mL |
| [3-O-Methylidopa] | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 5000 ng/mL |
| Levofloxacin | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 10 µg/mL |
| Levonorgestrel | Small Molecule | Human | Plasma (Female) | MS/MS 5000 | 50 - 15000 pg/mL |
| Levonorgestrel | Small Molecule | Human | Plasma (Female) | MS/MS 3000 | 200 - 40000 pg/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|--|----------------|---------|--------|------------|---------------------|
| Levothyroxine | Small Molecule | Human | Serum | MS/MS 5000 | 10 - 300 ng/mL |
| Linagliptin | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 10000 pg/mL |
| Linezolid (S) | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 25 µg/mL |
| Lisinopril | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 400 ng/mL |
| Lonafarnib | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 1000 ng/mL |
| Lonafarnib | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 8000 ng/mL |
| Lonafarnib | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 5000 ng/mL |
| Loperamide | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 5000 pg/mL |
| Loratadine | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 10000 pg/mL |
| [Desloratadine] | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 10000 pg/mL |
| Lorazepam | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 40 ng/mL |
| Losartan | Small Molecule | Human | Plasma | MS/MS 3000 | 2.5 - 1500 ng/mL |
| [Losartan carboxy acid] | Small Molecule | Human | Plasma | MS/MS 3000 | 2.5 - 1500 ng/mL |
| Macitentan | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 500 ng/mL |
| Meclizine | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 200 ng/mL |
| Mefenamic acid | Small Molecule | Human | Plasma | MS/MS 3000 | 25 - 5000 ng/mL |
| Meloxicam | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 4000 ng/mL |
| Memantine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 50 ng/mL |
| Mesalamine | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 1500 ng/mL |
| Metaxalone | Small Molecule | Human | Plasma | MS/MS 3000 | 20 - 6000 ng/mL |
| Metformin | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 4000 ng/mL |
| Methadone | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 100 ng/mL |
| Methenamine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 40 µg/mL |
| Methocarbamol | Small Molecule | Human | Plasma | MS/MS 3000 | 150 - 20000 ng/mL |
| Methylphenidate | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 25000 pg/mL |
| Methylphenidate (or dexamethylphenidate) | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 50000 pg/mL |
| Metoprolol | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 250 ng/mL |
| Metoprolol | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 400 ng/mL |
| Metoprolol | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 100 ng/mL |
| Metronidazole | Small Molecule | Human | Plasma | MS/MS 5000 | 75 - 75000 pg/mL |
| Mexiletine | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 1000 ng/mL |
| Midazolam | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 100 ng/mL |
| [α-Hydroxymidazolam] | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 15000 pg/mL |
| Midodrine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 75 ng/mL |
| Miglitol | Small Molecule | Human | Plasma | MS/MS 3000 | 20 - 3500 ng/mL |
| Miglustat | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 3000 ng/mL |
| Minocycline | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 6000 ng/mL |
| Minocycline | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 4000 ng/mL |
| Mirtazapine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 120 ng/mL |
| Modafinil | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 10000 ng/mL |
| Mono-methyl fumarate (dimethylfumarate) | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 4000 ng/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|--|----------------|---------|--------|------------|---------------------|
| Montelukast | Small Molecule | Human | Plasma | MS/MS 3000 | 2.5 - 750 ng/mL |
| Morphine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 200 ng/mL |
| Morphine | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 50000 pg/mL |
| Morphine | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 50000 pg/mL |
| Morphine | Small Molecule | Human | Plasma | MS/MS 5500 | 1 - 500 ng/mL |
| [Morphine-3-glucuronide] | Small Molecule | Human | Plasma | MS/MS 5500 | 5 - 1000 ng/mL |
| [Morphine-6-glucuronide] | Small Molecule | Human | Plasma | MS/MS 5500 | 1 - 500 ng/mL |
| Morphine | Small Molecule | Human | Plasma | MS/MS 5500 | 0.1 - 100 ng/mL |
| [Morphine-6-glucuronide] | Small Molecule | Human | Plasma | MS/MS 5500 | 2.5 - 1000 ng/mL |
| Morphine-6-glucuronide | Small Molecule | Human | Plasma | MS/MS 3000 | 2.5 - 350 ng/mL |
| Moxifloxacin | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 4000 ng/mL |
| Mycophenolic acid | Small Molecule | Human | Plasma | MS/MS 3000 | 25 - 10000 ng/mL |
| Nabilone | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 4000 pg/mL |
| Naftifine | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 10000 pg/mL |
| Nalbuphine | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 100 ng/mL |
| Naloxone | Small Molecule | Human | Plasma | MS/MS 5000 | 20 - 20000 pg/mL |
| Naloxone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.15 - 150 ng/mL |
| Naloxone (free) | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 500 pg/mL |
| Naloxone 3-glucuronide | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 90 ng/mL |
| Naloxone 3-glucuronide | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 200 ng/mL |
| Naltrexone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 20 ng/mL |
| [6beta-Naltrexol] | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 200 ng/mL |
| Naltrexone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 50 ng/mL |
| 6beta-Naltrexol | Small Molecule | Human | Plasma | MS/MS 5000 | 40 - 60000 pg/mL |
| Naltrexone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 20 ng/mL |
| Naproxen | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 100 µg/mL |
| Naproxen | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 200 µg/mL |
| Nateglinide | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 25000 ng/mL |
| N-Butylscopolammonium (hyoscine butyl) | Small Molecule | Human | Plasma | MS/MS 5500 | 1 - 750 pg/mL |
| Nefopam | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 125 ng/mL |
| Nevirapine | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 4000 ng/mL |
| Nicotine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 100 ng/mL |
| Nicotine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.15 - 15 ng/mL |
| Nifedipine | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 400 ng/mL |
| Nilotinib | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 500 ng/mL |
| Nilotinib | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 1000 ng/mL |
| Nimesulide | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 6000 ng/mL |
| Nimodipine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 200 ng/mL |
| Nintedanib | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 50 ng/mL |
| Nitisinone | Small Molecule | Human | Plasma | MS/MS 5000 | 3 - 3000 ng/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|---------------------------|----------------|---------|---------------------------------|------------|---------------------|
| Norethindrone | Small Molecule | Human | Plasma (Female Post-menopausal) | MS/MS 5000 | 50 - 20000 pg/mL |
| Norethindrone | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 40000 pg/mL |
| Norgestimate | Small Molecule | Human | Plasma (Female) | MS/MS 5000 | 5 - 200 pg/mL |
| [Norelgestromin] | Small Molecule | Human | Plasma (Female) | MS/MS 5000 | 40 - 6000 pg/mL |
| Olanzapine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 25 ng/mL |
| Olmesartan | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 2000 ng/mL |
| Omeprazole | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 1000 ng/mL |
| Omeprazole | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 750 ng/mL |
| Omeprazole | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 1500 ng/mL |
| Omeprazole (esomeprazole) | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 2500 ng/mL |
| Ondansetron | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 300 ng/mL |
| Oseltamivir | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 200 ng/mL |
| [Oseltamivir carboxylate] | Small Molecule | Human | Plasma | MS/MS 5000 | 2.5 - 1000 ng/mL |
| Otilonium | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 10000 pg/mL |
| Oxaprozin | Small Molecule | Human | Plasma | MS/MS 5000 | 0.75 - 250 µg/mL |
| Oxazepam | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 1500 ng/mL |
| Oxcarbazepine | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 4000 ng/mL |
| [2H,OH Carbamazepine] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 18 µg/mL |
| Oxybutynin | Small Molecule | Human | Plasma | MS/MS 5000 | 0.05 - 15 ng/mL |
| [N-Desethyloxybutynin] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 50 ng/mL |
| Oxybutynin | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 30 ng/mL |
| R-Oxybutynin | Small Molecule | Human | Plasma | MS/MS 5000 | 20 - 4000 pg/mL |
| S-Oxybutynin | Small Molecule | Human | Plasma | MS/MS 5000 | 30 - 6000 pg/mL |
| Oxycodone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 100 ng/mL |
| [Noroxycodone] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 100 ng/mL |
| [Oxymorphone] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 5 ng/mL |
| Oxycodone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 50 ng/mL |
| Oxycodone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 150 ng/mL |
| Oxycodone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 100 ng/mL |
| Oxymorphone | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 10000 pg/mL |
| [6-Hydroxyoxymorphone] | Small Molecule | Human | Plasma | MS/MS 5000 | 40 - 4000 pg/mL |
| Paliperidone | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 25000 pg/mL |
| Pantoprazole | Small Molecule | Human | Plasma | MS/MS 3000 | 20 - 5000 ng/mL |
| Paroxetine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 50 ng/mL |
| Paroxetine | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 25000 pg/mL |
| Pentamidine | Small Molecule | Human | Plasma | MS/MS 5000 | 2.5 - 2500 ng/mL |
| Perindopril | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 300 ng/mL |
| [Perindoprilat] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 30 ng/mL |
| Phenobarbital | Small Molecule | Human | Plasma | MS/MS 3000 | 25 - 6000 ng/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|--------------------------------|----------------|---------|---|------------|---------------------|
| Phenprocoumon (R) | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 1000 ng/mL |
| Phenprocoumon (S) | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 1000 ng/mL |
| Phentermine | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 250 ng/mL |
| Phenytoin | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 20000 ng/mL |
| Phloroglucinol | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 1200 ng/mL |
| Pilocarpine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 60 ng/mL |
| Pioglitazone | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 2500 ng/mL |
| [Hydroxy pioglitazone] | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 1500 ng/mL |
| [Pioglitazone ketone] | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 1500 ng/mL |
| Pioglitazone | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 2500 ng/mL |
| [Hydroxy Pioglitazone] | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 1500 ng/mL |
| Pirfenidone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 40 µg/mL |
| Pitavastatin | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 200 ng/mL |
| Pomalidomide | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 150 ng/mL |
| Posaconazole | Small Molecule | Human | Plasma | MS/MS 3000 | 2 - 2000 ng/mL |
| Posaconazole | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 8000 ng/mL |
| Pramipexole | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 2000 pg/mL |
| Pramoxine | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 2500 pg/mL |
| Prasugrel (R-95913) | Small Molecule | Human | Plasma | MS/MS 3000 | 0.25 - 200 ng/mL |
| Pravastatin | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 300 ng/mL |
| Praziquantel | Small Molecule | Human | Plasma | MS/MS 5000 | 3 - 3000 ng/mL |
| Prazosin | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 50 ng/mL |
| Prednisolone | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 500 ng/mL |
| Prednisone | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 200 ng/mL |
| [Prednisolone] | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 1500 ng/mL |
| Pregabalin | Small Molecule | Human | Plasma | MS/MS 3000 | 15 - 15000 ng/mL |
| Progesterone | Small Molecule | Human | Plasma (Female Post- menopausal) | MS/MS 5000 | 25 - 40000 pg/mL |
| Proguanil | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 200 ng/mL |
| [Cycloguanil] | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 100 ng/mL |
| Propafenone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 300 ng/mL |
| [5-Hydroxypropafenone] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 250 ng/mL |
| Propafenone | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 1000 ng/mL |
| [5-Hydroxypropafenone] | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 1000 ng/mL |
| Propafenone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 100 ng/mL |
| [5-Hydroxypropafenone] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 100 ng/mL |
| Propoxyphene | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 200 ng/mL |
| Propranolol (R) | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 50 ng/mL |
| Propranolol (S) | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 50 ng/mL |
| Propranolol (total) | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 500 ng/mL |
| [4-Hydroxypropranolol (total)] | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 500 ng/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|-----------------------------------|----------------|---------|--------|------------|---------------------|
| Prucalopride | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 15000 pg/mL |
| Pseudoephedrine | Small Molecule | Human | Plasma | MS/MS 3000 | 2 - 600 ng/mL |
| Pyridostigmine | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 250 ng/mL |
| Pyridostigmine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 100 ng/mL |
| Quetiapine | Small Molecule | Human | Plasma | MS/MS 3000 | 2.5 - 2000 ng/mL |
| Quetiapine | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 150 ng/mL |
| Quinapril | Small Molecule | Human | Plasma | MS/MS 3000 | 2 - 1000 ng/mL |
| [Quinaprilat] | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 1600 ng/mL |
| Quinidine | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 2000 ng/mL |
| Rabeprazole | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 3000 ng/mL |
| Racecadotril (thiorphan) | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 600 ng/mL |
| Racecadotril (thiorphan) | Small Molecule | Human | Plasma | MS/MS 3000 | 2.5 - 500 ng/mL |
| Raloxifene | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 1000 pg/mL |
| Ramipril | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 50 ng/mL |
| [Ramiprilat] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.3 - 75 ng/mL |
| Ramipril | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 50000 pg/mL |
| Ranolazine | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 5000 ng/mL |
| Rasagiline | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 10000 pg/mL |
| Repaglinide | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 100 ng/mL |
| Ribavirin | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 2000 ng/mL |
| Rifabutin | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 800 ng/mL |
| [25-O-Desacetylriofabutin] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 100 ng/mL |
| Riluzole | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 500 ng/mL |
| Risperidone | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 50 ng/mL |
| [9-OH-Risperidone (paliperidone)] | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 50 ng/mL |
| Ritonavir | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 5000 ng/mL |
| Rivaroxaban | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 600 ng/mL |
| Rivastigmine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 40 ng/mL |
| Rivastigmine | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 10000 pg/mL |
| Rivastigmine | Small Molecule | Human | Plasma | MS/MS 3000 | 20 - 20000 pg/mL |
| Rizatriptan | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 50 ng/mL |
| Rofecoxib | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 1500 ng/mL |
| Roflumilast | Small Molecule | Human | Plasma | MS/MS 3000 | 40 - 14000 pg/mL |
| Ropinirole | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 2000 pg/mL |
| Ropinirole | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 3500 pg/mL |
| Rosiglitazone | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 1000 ng/mL |
| Rosuvastatin | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 50000 pg/mL |
| Rosuvastatin | Small Molecule | Human | Urine | MS/MS 5000 | 3 - 2000 ng/mL |
| Rotigotine | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 2000 pg/mL |
| Rufinamide | Small Molecule | Human | Plasma | MS/MS 3000 | 25 - 10000 ng/mL |
| Sacubitril | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 5000 ng/mL |
| Safinamide | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 1500 ng/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|--|----------------|---------|--------|------------|---------------------|
| Saxagliptin | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 50 ng/mL |
| Selexipag | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 50000 pg/mL |
| [ACT-333679] | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 50000 pg/mL |
| Sildenafil | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 200 ng/mL |
| Sildenafil | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 1000 ng/mL |
| Sildenafil | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 600 ng/mL |
| [N-Desmethyl Sildenafil (total)] | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 300 ng/mL |
| Silodosin | Small Molecule | Human | Plasma | MS/MS 5000 | 0.3 - 200 ng/mL |
| Simvastatin | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 50 ng/mL |
| [Hydroxysimvastatin] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.1 - 20 ng/mL |
| Sirolimus | Small Molecule | Human | Blood | MS/MS 3000 | 0.1 - 50 ng/mL |
| Sitagliptin | Small Molecule | Human | Plasma | MS/MS 3000 | 2 - 700 ng/mL |
| Sofosbuvir | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 1500 ng/mL |
| Solifenacin | Small Molecule | Human | Plasma | MS/MS 3000 | 0.25 - 100 ng/mL |
| Sorafenib | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 5000 ng/mL |
| Sulindac | Small Molecule | Human | Plasma | MS/MS 5000 | 30 - 15000 ng/mL |
| [Sulindac sulfide] | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 8000 ng/mL |
| [Sulindac sulfone] | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 8000 ng/mL |
| Sumatriptan | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 150 ng/mL |
| Sunitinib | Small Molecule | Human | Plasma | MS/MS 5000 | 0.3 - 60 ng/mL |
| Suvorexant | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 1000 ng/mL |
| Tacrolimus | Small Molecule | Human | Blood | MS/MS 5000 | 5 - 5000 pg/mL |
| Tacrolimus | Small Molecule | Human | Blood | MS/MS 5000 | 50 - 50000 pg/mL |
| Tadalafil | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 200 ng/mL |
| Tadalafil | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 1000 ng/mL |
| Tamsulosin | Small Molecule | Human | Plasma | MS/MS 3000 | 0.25 - 50 ng/mL |
| Tamsulosin | Small Molecule | Human | Plasma | MS/MS 3000 | 30 - 60000 pg/mL |
| Tazarotene | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 500 pg/mL |
| [Tazarotenic acid] | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 2500 pg/mL |
| Telmisartan | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 500 ng/mL |
| Temazepam | Small Molecule | Human | Plasma | MS/MS 3000 | 2.5 - 1500 ng/mL |
| Terbinafine | Small Molecule | Human | Plasma | MS/MS 3000 | 3 - 1500 ng/mL |
| Teriflunomide | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 3500 ng/mL |
| Testosterone | Small Molecule | Human | Serum | MS/MS 5000 | 100 - 30000 pg/mL |
| [Dihydrotestosterone] | Small Molecule | Human | Serum | MS/MS 5000 | 20 - 5000 pg/mL |
| Tetrahydrocannabinol (THC, dronabinol) | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 10000 pg/mL |
| [11-hydroxy-delta-9-THC] | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 10000 pg/mL |
| Tetrahydrocannabinol (THC, dronabinol) | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 1500 ng/mL |
| [11-Hydroxy-delta9-THC] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 150 ng/mL |
| [Cannabidiol] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 150 ng/mL |
| Tetrahydrocannabinol (THC) | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 80 ng/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|--|----------------|---------|--------|------------|---------------------|
| [11-Hydroxy-delta9-THC] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 80 ng/mL |
| [11-nor-9-carboxy-delta9-THC] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 80 ng/mL |
| [Cannabidiol] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 80 ng/mL |
| [Cannabinol] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.2 - 80 ng/mL |
| Theophylline | Small Molecule | Human | Plasma | MS/MS 5000 | 20 - 20000 ng/mL |
| Ticagrelor | Small Molecule | Human | Plasma | MS/MS 5000 | 5 - 1000 ng/mL |
| [Desethoxyhydroxy ticagrelor (AR-C124910XX)] | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 500 ng/mL |
| Tiotropium | Small Molecule | Rat | Plasma | MS/MS 5000 | 10 - 200 pg/mL |
| Tizanidine | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 15000 pg/mL |
| Tofacitinib | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 200 ng/mL |
| Tolterodine | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 15000 pg/mL |
| [5-Hydroxytolterodine] | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 15000 pg/mL |
| Topiramate | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 3000 ng/mL |
| Tramadol | Small Molecule | Human | Plasma | MS/MS 3000 | 2 - 800 ng/mL |
| [O-Desmethyltramadol] | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 200 ng/mL |
| Tramadol (R-+) | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 120 ng/mL |
| Tramadol (S-(-)) | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 120 ng/mL |
| [O-Desmethyltramadol (R-+)] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 75 ng/mL |
| [O-Desmethyltramadol (S-(-))] | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 75 ng/mL |
| Tranlycypromine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 75 ng/mL |
| Tranlycypromine (R-+) | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 10000 pg/mL |
| Tranlycypromine (S-(-)) | Small Molecule | Human | Plasma | MS/MS 5000 | 250 - 75000 pg/mL |
| Trazodone | Small Molecule | Human | Plasma | MS/MS 3000 | 20 - 4000 ng/mL |
| Triamcinolone acetonide | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 7500 pg/mL |
| Triamcinolone hexacetonide | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 7500 pg/mL |
| [Triamcinolone acetonide] | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 7500 pg/mL |
| Triazolam | Small Molecule | Human | Plasma | MS/MS 5000 | 25 - 5000 pg/mL |
| Trimebutine | Small Molecule | Human | Plasma | MS/MS 3000 | 2.5 - 800 ng/mL |
| [N-Desmethyltrimebutine total] | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 8000 ng/mL |
| Trimebutine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.25 - 200 ng/mL |
| Trimetazidine | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 150 ng/mL |
| Trimipramine | Small Molecule | Human | Plasma | MS/MS 3000 | 0.25 - 200 ng/mL |
| Valacyclovir | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 400 ng/mL |
| [Acyclovir] | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 7.5 µg/mL |
| Valacyclovir | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 400 ng/mL |
| [Acyclovir] | Small Molecule | Human | Plasma | MS/MS 3000 | 25 - 7500 ng/mL |
| Valganciclovir | Small Molecule | Human | Plasma | MS/MS 3000 | 2.5 - 500 ng/mL |
| [Ganciclovir] | Small Molecule | Human | Plasma | MS/MS 3000 | 0.1 - 10 µg/mL |
| Valproic acid | Small Molecule | Human | Plasma | MS/MS 3000 | 0.5 - 100 µg/mL |
| Valsartan | Small Molecule | Human | Plasma | MS/MS 3000 | 50 - 15000 ng/mL |
| Valsartan | Small Molecule | Human | Plasma | MS/MS 5000 | 10 - 10000 ng/mL |

Method Status: Validated - Small Molecules

| Analyte | Analyte Class | Species | Matrix | Platform | Concentration Range |
|---------------------------|----------------|---------|--------|------------|---------------------|
| Vardenafil | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 50000 pg/mL |
| Venetoclax | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 2000 ng/mL |
| Venlafaxine | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 500 ng/mL |
| [O-Desmethylvenlafaxine] | Small Molecule | Human | Plasma | MS/MS 5000 | 1 - 800 ng/mL |
| Verapamil | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 300 ng/mL |
| Vigabatrin | Small Molecule | Human | Plasma | MS/MS 3000 | 0.2 - 100 µg/mL |
| Vildagliptin | Small Molecule | Human | Plasma | MS/MS 5000 | 2 - 500 ng/mL |
| Voriconazole | Small Molecule | Human | Plasma | MS/MS 3000 | 10 - 3000 ng/mL |
| Warfarin | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 2500 ng/mL |
| Warfarin (R) | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 1000 ng/mL |
| Warfarin (S) | Small Molecule | Human | Plasma | MS/MS 3000 | 5 - 1000 ng/mL |
| Warfarin (R) | Small Molecule | Human | Plasma | MS/MS 3000 | 25 - 3000 ng/mL |
| Warfarin (S) | Small Molecule | Human | Plasma | MS/MS 3000 | 25 - 3000 ng/mL |
| Zaleplon | Small Molecule | Human | Plasma | MS/MS 5000 | 0.3 - 50 ng/mL |
| Zileuton | Small Molecule | Human | Plasma | MS/MS 3000 | 30 - 15000 ng/mL |
| Ziprasidone | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 400 ng/mL |
| Zofenopril | Small Molecule | Human | Plasma | MS/MS 5000 | 0.5 - 200 ng/mL |
| Zolmitriptan | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 15000 pg/mL |
| [N-Desmethylzolmitriptan] | Small Molecule | Human | Plasma | MS/MS 5000 | 50 - 6000 pg/mL |
| Zolpidem | Small Molecule | Human | Plasma | MS/MS 3000 | 1 - 300 ng/mL |