

**Our most recently
developed assays**

Betamethasone

Betamethasone Acetate

Bivalirudin

Everolimus

Isotretinoin;
4-Oxo-Isotretinoin

Lercanidipine

Levomethadone;
Dextromethadone

Mometasone Furoate

Mycophenolic Acid
Glucuronide;
Mycophenolic Acid
Acyl Glucuronide;
Mycophenolic Acid
7-o-beta Glucoside

Pegasys (Pegylated
Interferon alpha 2a)

Phenylephrine free

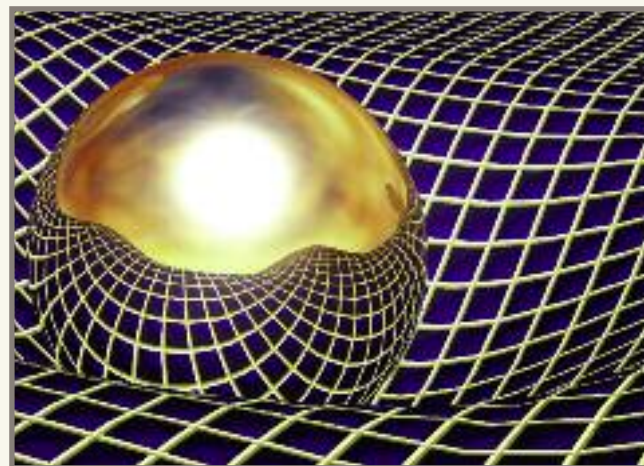
Testosterone;
Dihydrotestosterone

Thromboxane B2

Trospium

BIOANALYTICAL METHODS AND BIOMARKERS LISTS

AS OF SEPTEMBER 24, 2009



OUR COMPANIES

Anapharm

Taylor Technology

OVERVIEW

PharmaNet Development Group is a global drug-development company providing a comprehensive range of services to the pharmaceutical, biotechnology, generic drug, and medical device industries. PharmaNet companies offer services and consultation for every phase of clinical development from Phase I studies and bioanalytical analyses to later-stage programs supporting the commercialization of marketed products.

PharmaNet provides high quality bioanalytical services through our network of companies including Anapharm and Taylor Technology. Together, these companies offer 2 GLP-compliant bioanalytical laboratories in the US and Canada. State-of-the-art instrumentation includes LC/MS/MS API 5000, 4000, 3000, and 365 as well as Finnigan's GC/MS/MS. Staffing includes thoroughly trained professionals providing support for drug discovery and development programs.

PharmaNet laboratories have been developing and validating analytical methods for drugs and metabolites in biological fluids since 1992. Our laboratories all have excellent records with international regulatory agencies, and are subjected to routine audits of our procedures, facilities, and programs.

BIOANALYTICAL METHODS

Following is the current inventory of compounds for which we offer bioanalytical methods, and the biological matrix for which the method has been developed.

We also have an extensive list of proprietary methods that are not included in this document. Contact your PharmaNet Development Group representative for more information about these methods.

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BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Acamprosate	Central Nervous System Agents	LC/MS/MS	0.5-200 ng/mL	Human EDTA Plasma
Aceclofenac	Pain	LC/MS/MS	15-15000 ng/mL	Human EDTA Plasma
Acetaminophen	Pain	LC/MS/MS	0.15-15 µg/mL	Human EDTA Plasma
Acetaminophen	Pain	LC/MS/MS	100-10000 ng/mL	Human EDTA Plasma
Acetyl salicylic acid; salicylic acid	Pain	LC/MS/MS	5-1500 ng/mL; 75-7500 ng/mL	Human EDTA Plasma
Acetylsalicylic Acid	Pain	LC/MS/MS	2-300 ng/mL	Buffered Human EDTA Plasma
Acyclovir	Infectious Disease	LC/MS/MS	0.5-40 ng/mL	Human Urine
Acyclovir	Infectious Disease	LC/MS/MS	0.5-40000 pg/mL	Human EDTA Plasma
Adefovir	Infectious Disease	LC/MS/MS	0.1-50 ng/mL	Human EDTA Plasma
Atazanavir	Infectious Disease	LC/MS/MS	2-2000 ng/mL	Human EDTA Plasma
Alendronic Acid	Endocrinology, Rheumatology	HPLC/FLR	5-1500 ng/mL	Human Urine
Alendronic Acid	Endocrinology, Rheumatology	HPLC/FLR	5-500 ng/mL	Monkey Urine
Alendronic Acid	Endocrinology, Rheumatology	LC/MS/MS	50-50000 pg/mL	Human Plasma
Alfuzosin	Genitourinary	HPLC/FLR	0.2-100 ng/mL	Human EDTA Plasma
Allopurinol; Oxypurinol	Antigout Drugs	LC/MS	50-2000 ng/mL; 100-10000 ng/mL	Human EDTA Plasma
Alprazolam	Central Nervous System Agents	LC/MS/MS	0.25-50 ng/mL	Human EDTA Plasma
7-Aminoclonazepam	Central Nervous System Agents	LC/MS/MS	200-100000 pg/mL	Human EDTA Plasma
5-Aminosalicylic Acid (5-ASA); 5-Acetylamino salicylic Acid (5-ACASA)	Pain	HPLC/FLR	2-600 ng/mL; 2-1200 ng/mL	Human EDTA Plasma
5-Aminosalicylic Acid (5-ASA); 5-Acetylamino salicylic Acid (5-ACASA)	Pain	HPLC/FLR	2-1000 ng/mL; 4-2000 ng/mL	Human Sodium Heparin Plasma
Amiodarone; Desethylamiodarone	Cardiovascular	LC/MS/MS	10-25000 ng/mL; 0.5-200 ng/mL	Human EDTA Plasma
Amiodarone; Desethylamiodarone	Cardiovascular	LC/MS/MS	100-4000 ng/mL	Human Sodium Heparinized Plasma
Amisulpride	Central Nervous System Agents	LC/MS/MS	1-500 ng/mL	Human Plasma
Amlodipine	Cardiovascular	LC/MS/MS	20-10000 pg/mL	Human Lithium Heparinized Plasma
Amlodipine	Cardiovascular	LC/MS/MS	50-10000 pg/mL	Human EDTA Plasma
Amoxicillin	Infectious Disease	LC/MS/MS	40-20000 ng/mL	Human EDTA Plasma
Amoxicillin	Infectious Disease	LC/MS/MS	40-12000 ng/mL	Human EDTA Plasma
Amphetamine (chiral method)	Central Nervous System Agents	LC/MS/MS	0.2-100 ng/mL	Human EDTA Plasma
Anagrelide	Cardiovascular	LC/MS/MS	20-5000 pg/mL	Human EDTA Plasma
Anastrozole	Oncology	LC/MS/MS	100-20000 pg/mL	Human EDTA Plasma
Androstenedione	Endocrinology	GC/MS/MS	25-2500 pg/mL	Human Serum
Androstenedione	Endocrinology	GC/MS/MS	25-2500 pg/mL	Human Heparin Plasma
Apomorphine	Central Nervous System Agents	LC/MS/MS	0.25-50 ng/mL	Human Plasma
Aprepitant	Gastrointestinal	LC/MS/MS	20-2000 ng/mL	Human Plasma
Aripiprazole	Central Nervous System Agents	LC/MS/MS	0.50-100 ng/mL	Human EDTA Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Armodafinil	Central Nervous System Agents	LC/MS/MS	20-10000 ng/mL	Human EDTA Plasma
Atenolol	Cardiovascular	LC/MS	5-1000 ng/mL	Human Sodium Heparinized Plasma
Atomoxetine	Central Nervous System Agents	LC/MS/MS	2-500 ng/mL	Human Plasma
Atorvastatin; o-Hydroxy-Atorvastatin; p-Hydroxy-Atorvastatin	Cardiovascular	LC/MS/MS	50-50000 pg/mL; 50-50000 pg/mL; 50-5000 pg/mL	Human EDTA Plasma
Atorvastatin; o-Hydroxy-Atorvastatin; p-Hydroxy-Atorvastatin	Cardiovascular	LC/MS/MS	0.25-100 ng/mL; 0.25-20 ng/mL; 0.25-100 ng/mL	Human Sodium Heparin Plasma
Atovaquone	Infectious Disease	LC/MS/MS	50-25000 ng/mL	Human EDTA Plasma
Azithromycin	Infectious Disease	LC/MS/MS	10-1000 ng/mL	Human EDTA Plasma
Azithromycin	Infectious Disease	LC/MS/MS	50-500 ng/mL	Human EDTA Plasma
Baclofen	Central Nervous System Agents	LC/MS/MS	2-800 ng/mL	Human EDTA Plasma
Balsalazide	Gastrointestinal	LC/MS/MS	1-500 ng/mL	Human Sodium Heparinized Plasma
Balsalazide	Gastrointestinal	LC/MS/MS	1-500 ng/mL	Human EDTA Plasma
Benazepril; Benazeprilat	Cardiovascular	LC/MS/MS	3-1500 ng/mL	Human EDTA Plasma
Benserazide	Central Nervous System Agents	LC/MS/MS	0.4-10 ng/mL	Human EDTA Plasma
Benserazide	Central Nervous System Agents	LC/MS/MS	0.4-10 ng/mL	Dog Plasma
NEW Betamethasone	Immunology	LC/MS/MS	0.5-100 ng/mL	Human EDTA Plasma
NEW Betamethasone Acetate	Immunology	LC/MS/MS	5-500 pg/mL	Human EDTA Plasma
Betamethasone Phosphate	Immunology	LC/MS/MS	2.5-250 ng/mL	Human EDTA plasma
Betamethasone; Betamethasone Acetate	Immunology	LC/MS/MS	0.5-50 ng/mL	Human EDTA Plasma
Bicalutamide	Oncology	LC/MS	25-1250 ng/mL	Human EDTA Plasma
Bisoprolol	Cardiovascular	LC/MS	0.2-20 ng/mL	Human EDTA Plasma
NEW Bivalirudin	Antithrombotic	LC/MS/MS	5-5000 ng/mL	Human sodium citrate plasma
Bromide	Miscellaneous	ICP/MS	0.5-50 µg/mL	Human Sodium Heparinized Plasma
Brompheniramine	Respiratory	LC/MS/MS	0.5-50 ng/mL	Human EDTA Plasma
Bufomedil	Cardiovascular	HPLC/UV	50-3000 ng/mL	Human EDTA Plasma
Bupivacaine	Pain	LC/MS/MS	5-500 ng/mL	Rat Plasma
Buprenorphine	Pain	LC/MS/MS	50-1200 pg/mL	Dog Plasma
Buprenorphine; Norbuprenorphine	Pain	LC/MS/MS	5-400 ng/mL; 10-400 ng/mL	Human EDTA Plasma
Bupropion; Threohydroxybupropion; Erythrohydroxybupropion	Central Nervous System Agents	LC/MS/MS	10-2000 ng/mL	Rat Plasma
Bupropion; Hydroxybupropion	Central Nervous System Agents	LC/MS/MS	5-1000 ng/mL	Rat Plasma
Bupropion; Hydroxybupropion	Central Nervous System Agents	LC/MS/MS	1-200 ng/mL	Human EDTA Plasma
Bupropion; Hydroxybupropion	Central Nervous System Agents	LC/MS/MS	1-200 ng/mL; 1-400 ng/mL	Human EDTA Plasma
Bupropion; Hydroxybupropion; Erythrohydroxybupropion; Threohydroxybupropion	Central Nervous System Agents	LC/MS/MS	1-200 ng/mL; 2-800 ng/mL; 1-40 ng/mL; 1-200 ng/mL; 1-40 ng/mL	Human EDTA Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Buspirone	Central Nervous System Agents	LC/MS/MS	0.5-50 ng/mL	Monkey/Mouse Plasma
Buspirone; 1-(2-pyrimidyl) piperazine	Central Nervous System Agents	LC/MS/MS	1-100 ng/mL	Monkey/Mouse Plasma
Butorphanol	Pain	LC/MS/MS	0.1-3.0 ng/mL	Human Plasma
Cabergoline	Central Nervous System Agents	LC/MS/MS	1-50 pg/mL	Human EDTA Plasma
Cabergoline	Central Nervous System Agents	LC/MS/MS	50-15000 pg/mL	Rabbit EDTA Plasma
Calcitriol	Rheumatology	LC/MS/MS	5-500 pg/mL	Human EDTA Plasma
Candesartan	Cardiovascular	LC/MS/MS	0.5-250 ng/mL	Human EDTA Plasma
Capecitabine; 5-DFCR	Oncology	LC/MS/MS	10-5000 ng/mL	Human EDTA Plasma
Capecitabine; 5-FU	Oncology	LC/MS/MS	10-5000 ng/mL	Human EDTA Plasma
Captopril (free)	Cardiovascular	LC/MS/MS	1-500 ng/mL	Human EDTA Plasma
Captopril (total)	Cardiovascular	LC/MS/MS	2-750 ng/mL	Human EDTA Plasma
Carbamazepine	Central Nervous System Agents	LC/MS/MS	100-5000 ng/mL	Human Plasma
Carbamazepine; 10,11-Epoxy Carbamazepine	Central Nervous System Agents	LC/MS	50-5000 ng/mL; 10-250 ng/mL	Human EDTA Plasma
Carbamazepine; 10,11-Epoxy Carbamazepine	Central Nervous System Agents	LC/MS/MS	50-5000 ng/mL; 10-250 ng/mL	Human EDTA Plasma
Carbidopa; Levodopa	Central Nervous System Agents	LC/MS/MS	1-100 ng/mL	Human EDTA Plasma
Carisoprodol; Meprobamate	Central Nervous System Agents	LC/MS/MS	10-8000 ng/mL; 10-8000 ng/mL	Human EDTA Plasma
Carisoprodol; Meprobamate	Central Nervous System Agents	LC/MS/MS	TBD	Human Plasma
Carvedilol; 4'-Hydroxyphenyl-carvedilol	Cardiovascular	LC/MS/MS	0.25-80 ng/mL; 100-7500 ng/mL	Human EDTA Plasma
Cefaclor	Infectious Disease	LC/MS/MS	50-25000 ng/mL	Human EDTA Plasma
Cefadroxil	Infectious Disease	LC/MS/MS	200-40000 ng/mL	Human EDTA Plasma
Cefatrizine	Infectious Disease	HPLC/FLR	100-1000 ng/mL	Human EDTA Plasma
Cefdinir	Infectious Disease	LC/MS/MS	25-5000 ng/mL	Human EDTA Plasma
Cefixime	Infectious Disease	LC/MS/MS	20-10000 ng/mL	Human EDTA Plasma
Cefpodoxime	Infectious Disease	LC/MS/MS	20-5000 ng/mL	Human EDTA Plasma
Cefprozil (Z)-Isomer and Cefprozil (E)-Isomer	Infectious Disease	LC/MS/MS	100-10000 ng/mL (Z) and 11-1110 ng/mL (E)	Human EDTA Plasma
Cefuroxime	Infectious Disease	HPLC/UV	50-25000 ng/mL	Human EDTA Plasma
Celecoxib	Pain	LC/MS	10-2000 ng/mL	Human Lithium Heparinized Plasma
Celecoxib	Pain	HPLC/UV	10-2000 ng/mL	Human EDTA Plasma
Cephalexin	Infectious Disease	LC/MS/MS	50-25000 ng/mL	Human EDTA Plasma
Cetirizine	Respiratory	HPLC/UV	10-400 ng/mL	Human Plasma
Cetirizine	Respiratory	LC/MS	2-200 ng/mL	Human EDTA Plasma
Chlormadinone acetate; 3-hydroxy chlormadinone acetate	Endocrinology	LC/MS/MS	50-5000 pg/mL	Human EDTA Plasma
Chlorpheniramine	Respiratory	LC/MS/MS	0.2-100 ng/mL	Human EDTA Plasma
Ciclopirox	Infectious Disease	LC/MS/MS	20-10000 ng/mL	Mouse EDTA Plasma
Ciclopirox	Infectious Disease	LC/MS/MS	5-5000 pg/mL	Human EDTA Plasma
Ciclopirox	Infectious Disease	LC/MS/MS	1-500 ng/mL	Human urine

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Ciclopirox	Infectious Disease	LC/MS/MS	1-100 ng/mL	Rat Plasma
Ciclopirox	Infectious Disease	LC/MS/MS	1-100 ng/mL	Human Urine
Ciclopirox-glucuronide	Infectious Disease	LC/MS/MS	10-5000 ng/mL	Human urine
Ciclopirox-glucuronide	Infectious Disease	LC/MS/MS	2.5-250 ng/mL	Human EDTA Plasma
Ciclopirox-glucuronide	Infectious Disease	LC/MS/MS	1-500 ng/mL	Rabbit EDTA K2 Plasma
Ciclopirox-glucuronide	Infectious Disease	LC/MS/MS	1-500 ng/mL	Rat EDTA K2 Plasma
Cilostazol	Cardiovascular	LC/MS/MS	5-1500 ng/mL	Human EDTA Plasma
Cilostazol; OPC-13213; OPC-13015	Cardiovascular	LC/MS/MS	5-1500 ng/mL; 1-100 ng/mL; 2-200 ng/mL	Human EDTA Plasma
Cinacalcet	Rheumatology	LC/MS/MS	100-50000 pg/mL	Human Plasma
Ciprofibrate	Cardiovascular	LC/MS	0.25-50 µg/mL	Human Sodium Heparinized Plasma
Ciprofibrate	Cardiovascular	LC/MS	0.25-50 µg/mL	Human EDTA Plasma
Ciprofloxacin	Infectious Disease	HPLC/FLR	20-5000 ng/mL	Human EDTA Plasma
Ciprofloxacin	Infectious Disease	HPLC/FLR	20-5000 ng/mL	Human Plasma
Cisapride; Norcisapride	Gastrointestinal	LC/MS/MS	0.5-200 ng/mL	Human EDTA Plasma
Citalopram	Central Nervous System Agents	LC/MS/MS	0.2-100 ng/mL	Human EDTA Plasma
Citalopram	Central Nervous System Agents	LC/MS/MS	0.2-75 ng/mL	Human EDTA Plasma
Citalopram	Central Nervous System Agents	LC/MS/MS	0.2-75 ng/mL	Human K3 EDTA Plasma
Cizolirtine; Desmethylocizolirtine	Pain	LC/MS/MS	1-2000 ng/mL; 1-2000 ng/mL	Human Na Hep plasma
Clarithromycin	Infectious Disease	HPLC/MS/MS	0.1-10 µg/mL	Human Plasma
Clarithromycin	Infectious Disease	LC/MS/MS	20-5000 ng/mL	Human EDTA Plasma
Clavulanic Acid	Infectious Disease	LC/MS/MS	40-4000 ng/mL	Human EDTA Plasma
Clindamycin	Infectious Disease	LC/MS/MS	10-5000 ng/mL	Human EDTA Plasma
Clomiphene cis (Z) and trans (E) Isomers	Endocrinology	LC/MS/MS	200-10000 pg/mL	Human EDTA Plasma
Clonazepam	Central Nervous System Agents	LC/MS/MS	100-50000 ng/mL	Human EDTA Plasma
Clonidine	Cardiovascular	LC/MS/MS	10-400 pg/mL	Human EDTA Plasma
Clopidogrel	Cardiovascular	LC/MS/MS	5-2500 pg/mL	Human EDTA Plasma
Clopidogrel	Cardiovascular	LC/MS/MS	20-10000 pg/mL	Rat EDTA K3 plasma
Clopidogrel	Cardiovascular	LC/MS/MS	5-2500 pg/mL	Human Sodium Heparin Plasma
Clopidogrel Carboxylic Acid	Cardiovascular	LC/MS/MS	15-7500 ng/mL	Rat EDTA Plasma
Clopidogrel Carboxylic Acid	Cardiovascular	LC/MS/MS	4-4000 ng/mL	Human EDTA Plasma
Clotrimazole	Infectious Disease	LC/MS/MS	1-100 ng/mL	Human Plasma
Clotrimazole	Infectious Disease	LC/MS/MS	0.1-20 µg/mL	Human Saliva
Clozapine	Central Nervous System Agents	LC/MS/MS	2-1000 ng/mL	Human EDTA Plasma
Clozapine; N-Desmethyloclozapine	Central Nervous System Agents	LC/MS/MS	2-1000 ng/mL; 1-500 ng/mL	Human EDTA Plasma
Cocaine; Benzoyllecgonine	Miscellaneous	LC/MS/MS	5-500 ng/mL; 10-1000 ng/mL	Human EDTA Plasma
Codeine	Pain	LC/MS/MS	0.5-100 ng/mL	Human EDTA Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Codeine, Norcodeine and Codeine-6-Glucuronide	Pain	LC/MS/MS	0.5-100 ng/mL, 2-400 ng/mL, 2-400 ng/mL	Human EDTA Plasma
Colchicine	Rheumatology	LC/MS/MS	0.1-20 ng/mL	Human EDTA Plasma
Cortisol	Endocrinology	RIA	5-200 ng/mL	Human Serum
Cortisol	Endocrinology	LC/MS/MS	2-800 ng/mL	Human EDTA Plasma
Cyclosporin A	Immunology	LC/MS	5-5000 ng/mL	Human EDTA K3 Whole Blood
Cyproterone Acetate	Endocrinology	LC/MS/MS	100-50020 pg/mL	Human EDTA Plasma
Cytarabine and ARA-U	Oncology	LC/MS/MS	1-100 µg/mL and 100-10000 ng/mL	Rat EDTA Plasma
Darifenacin	Genitourinary	LC/MS/MS	20-10000 pg/mL	Human Plasma
Dasatinib	Oncology	LC/MS/MS	0.25-250 ng/mL	Human EDTA Plasma
Daunorubicin; Daunorubicinol	Oncology	LC/MS/MS	2-800 ng/mL; 2-200 ng/mL	Rat EDTA Plasma
21-OH-Deflazacort	Miscellaneous	LC/MS/MS	1-400 ng/mL	Human EDTA Plasma
Dehydroepiandrosterone (DHEA)	Endocrinology	RIA	0.5-20 ng/mL	Human Serum
Dehydroepiandrosterone Sulfate (DHEAS)	Endocrinology	RIA	100-5000 ng/mL	Human Serum
17-Desacetylnorgestimate	Endocrinology	LC/MS/MS	45-3000 pg/mL	Human EDTA Plasma
Descarboethoxy Loratadine; 3-Hydroxy Desloratadine	Respiratory	LC/MS/MS	25-5000 pg/mL; 25-2500 pg/mL	Human EDTA Plasma
Desipramine	Central Nervous System Agents	GC/ECNCl/MS/MS	0.5-100 ng/mL	Human Heparin Plasma
Desipramine; 2-Hydroxydesipramine	Central Nervous System Agents	LC/MS/MS	0.5-150 ng/mL; 0.25-75 ng/mL	Human Sodium Heparinized Plasma
Desipramine; 2-hydroxydesipramine	Central Nervous System Agents	LC/MS/MS	0.25-150 ng/mL	Human EDTA Plasma
Dexamethasone	Immunology	LC/MS/MS	0.5-200 ng/mL	Human Plasma
Dextromethorphan/Total Dextrorphan	Antitussive	LC/MS/MS	0.0200–20.0 ng/mL; 0.400–400 ng/mL	Human plasma, Na Heparin
Dextromethorphan; Dextrorphan	Antitussive	LC/MS/MS	4-2000 ng/mL; 40-20000 ng/mL	Human Urine
Dextromethorphan; Dextrorphan	Central Nervous System Agents	LC/MS/MS	50-7500 ng/mL	Human Urine
Dextromethorphan; Dextrorphan	Antitussive	LC/MS/MS	0.05-20 ng/mL; 1-400 ng/mL	Na Heparin Human Plasma
Dextromethorphan; Dextrorphan	Antitussive	LC/MS/MS	50-25000pg/mL; 25-12500pg/m	Human EDTA Plasma
1,4-Diaminobutane (1,4DAB)	Miscellaneous	LC/MS/MS	2.5-50 ng/mL	Human Serum
Diazepam	Central Nervous System Agents	LC/MS/MS	1-500 ng/mL	Hamster EDTA K2 Plasma
Diazepam	Central Nervous System Agents	LC/MS/MS	4-400 ng/mL	Human Plasma
Diazoxide	Cardiovascular	LC/MS/MS	1-1000 ng/mL	Human EDTA Plasma
Diclofenac	Pain	LC/MS/MS	1-200 ng/mL	Human EDTA Plasma
Didanosine	Infectious Disease	LC/MS/MS	25-2500 ng/mL	Human EDTA Plasma
Digoxin	Cardiovascular	RIA	100-5000 pg/mL	Human Serum
Digoxin	Cardiovascular	LC/MS/MS	50-5000 pg/mL	Human Sodium Heparinized Plasma
Digoxin	Cardiovascular	LC/MS/MS	100-10000 pg/mL	Human Urine
Dihydroergotamine	Pain	LC/MS/MS	50-5000 pg/mL	Human Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Diltiazem, N-Desmethyldiltiazem; Deacetyldiltiazem	Cardiovascular	LC/MS/MS	2-400 ng/mL, 0.5-100 ng/mL and 0.5-100 ng/mL	Human EDTA Plasma
Dimethyl Sulfoxide	Miscellaneous	LC/MS/MS	15-1000 ng/mL	Human EDTA Plasma
Dimethyl Sulfoxide	Miscellaneous	LC/MS/MS	4-200 ug/mL	Human Urine
Dipyridamole	Cardiovascular	LC/MS	20-4000 ng/mL	Human EDTA Plasma
Dipyron(4MAA)	Non-steroidal anti-inflammatory drug	LC/MS/MS	0.5-20 µg/mL	Human EDTA plasma
Docetaxel	Oncology	LC/MS/MS	5-2500 ng/mL	K2-EDTA human plasma
Docetaxel	Oncology	LC/MS/MS	10-5000 ng/mL	Human EDTA Plasma
(-)-Donepezil; (+)-Donepezil	Central Nervous System Agents	LC/MS/MS	50-10000 pg/mL; 100-20000 pg/mL	Human Sodium Heparinized Plasma
Donepezil	Central Nervous System Agents	LC/MS/MS	100-25000 pg/mL	Human EDTA Plasma
Donepezil	Central Nervous System Agents	LC/MS/MS	1-100 ng/mL	Human EDTA Plasma
Doxycycline	Infectious Disease	LC/MS/MS	20-2000 ng/mL	Human EDTA Plasma
Doxycycline	Infectious Disease	LC/MS	4-400 ng/mL	Human EDTA Plasma
Doxylamine	Respiratory	LC/MS/MS	2-200 ng/mL	Human Plasma
Doxylamine	Respiratory	LC/MS/MS	0.5-250 ng/mL	Human EDTA Plasma
Drospirenone	Endocrinology	LC/MS/MS	100-40000 pg/mL	Human EDTA Plasma
D-Threo-Methylphenidate	Central Nervous System Agents	LC/MS/MS	100-5000 pg/mL	Human EDTA Plasma
D-Threo-Methylphenidate; L-Threo-Methylphenidate	Central Nervous System Agents	LC/MS/MS	100-5000 pg/mL; 2-200 pg/mL	Human EDTA Plasma
Duloxetine	Central Nervous System Agents	LC/MS/MS	0.5-100 ng/mL	Human Plasma
Ebastine; Carbastine	Respiratory	LC/MS/MS	50-20000 pg/mL; 1-400 ng/mL	Human EDTA Plasma
Efavirenz	Infectious Disease	LC/MS/MS	20-4000 ng/mL	Human Plasma
Eletriptan; Desmethyl eletriptan	Pain	LC/MS/MS	500-250000 pg/mL	Human EDTA Plasma
Enalapril; Enalaprilat	Cardiovascular	LC/MS/MS	0.5-100 ng/mL	Human EDTA Plasma
Enalapril; Enalaprilat	Cardiovascular	LC/MS/MS	0.5-200 ng/mL	Human EDTA Plasma
Eniluracil	Oncology	LC/MS/MS	1-250 ng/mL	Human Plasma
Entacapone	Central Nervous System Agents	LC/MS/MS	10-2000 ng/mL	Human EDTA Plasma
Ephedrine	Respiratory	LC/MS/MS	1-100 ng/mL	Human EDTA Plasma
Epirubicin; Epirubicinol	Oncology	LC/MS/MS	5-1000 ng/mL; 2-200 ng/mL	Human Sodium Heparinized Plasma
Eplerenone	Cardiovascular	LC/MS/MS	10-2500 ng/mL	Human EDTA Plasma
Erlotinib	Oncology	LC/MS/MS	10-5000 ng/mL	Human Plasma
Erythromycin	Infectious Disease	LC/MS/MS	20-1000 ng/mL	Human EDTA Plasma
Erythromycin	Infectious Disease	LC/MS/MS	50-20000 ng/mL	Human Urine
Erythromycin; Erythromycin Ethylsuccinate	Infectious Disease	LC/MS/MS	20-2000 ng/mL	Human EDTA Plasma
Erythropoietin	Miscellaneous	ELISA	10-4000 mIU/mL	Human Serum
Escitalopram	Central Nervous System Agents	LC/MS/MS	0.2-50 ng/mL	Human Plasma
Escitalopram	Central Nervous System Agents	LC/MS/MS	0.2-30 ng/mL	Human K3 EDTA Plasma
Esomeprazole	Gastrointestinal	LC/MS/MS	1.5-750 ng/mL	Human EDTA Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Estradiol	Endocrinology	LC/MS/MS	2.5-100 pg/mL	Human EDTA Plasma
Estradiol; 17 Beta	Endocrinology	GC/MS/MS	0.625-80 pg/mL	Human Serum
Estradiol; 17 beta	Endocrinology	GC/MS/MS	0.625-80 pg/mL	Human Heparin Plasma
Estrone	Endocrinology	GC/MS/MS	1.56-200 pg/mL	Human Heparin Plasma
Estrone	Endocrinology	GC/MS/MS	1.56-200 pg/mL	Human Serum
Estrone (Total)	Endocrinology	LC/MS/MS	50-50000 pg/mL	Human EDTA Plasma
Estrone Conjugates	Endocrinology	GC/MS/MS	3.13-800 pg/mL	Human Heparin Plasma
Estrone Conjugates	Endocrinology	GC/MS/MS	3.13-800 pg/mL	Human Serum
Estrone; Estradiol	Endocrinology	LC/MS/MS	5-1000 pg/mL and 2.5-100 pg/mL	Post Menopausal Human EDTA Plasma
Eszopiclone	Central Nervous System Agents	LC/MS/MS	0.25-50 ng/mL	Human Plasma
Ethanol	Miscellaneous	GC/MS	5-500 µg/mL	Human Whole Blood
Ethinyl Estradiol	Endocrinology	LC/MS/MS	1-100 pg/mL	Human EDTA Plasma
Ethinyl Estradiol; Nestorone	Endocrinology	GC/MS/MS	10-1000 pg/mL; 50-5000 pg/mL	Human Serum
Ethinyl Estradiol; Gestodene	Endocrinology	LC/MS/MS	2-250 pg/mL; 50-25000 pg/mL	Human EDTA Plasma
Etidronic Acid	Rheumatology	GC/MS	2-800 ng/mL	Human EDTA Plasma
Etodolac	Pain	HPLC/UV	100-40000 ng/mL	Human EDTA Plasma
Etoposide	Oncology	LC/MS/MS	20-5000 ng/mL	Human Serum
Etoposide	Oncology	LC/MS/MS	20-5000 ng/mL	Human EDTA Plasma
NEW Everolimus	Oncology	LC/MS/MS	100-100000 pg/mL	Human Whole Blood
Exemestane	Oncology	LC/MS/MS	100-20000 pg/mL	Human EDTA Plasma
Exemestane	Oncology	LC/MS/MS	100 and 20,000 pg/mL	K3 EDTA Human Plasma
Ezetimibe (Total)	Cardiovascular	LC/MS/MS	200-75000 pg/mL	Human EDTA Plasma
Ezetimibe (Unconjugated)	Cardiovascular	LC/MS/MS	40-10000 pg/mL	Human EDTA Plasma
Famotidine	Gastrointestinal	LC/MS	0.5-200 ng/mL	Human EDTA Plasma
Felbinac	Pain	HPLC/FLR	5-2000 ng/mL	Human Serum
Felodipine	Cardiovascular	LC/MS/MS	20-10000 pg/mL	Human EDTA Plasma
Fenofibric Acid	Cardiovascular	LC/MS/MS	50-25000 ng/mL	Dog EDTA Plasma
Fenofibric Acid	Cardiovascular	LC/MS/MS	50-20000 ng/mL	Human EDTA Plasma
Fenofibric Acid	Cardiovascular	HPLC/UV	50-25000 ng/mL	Human EDTA Plasma
Fentanyl	Pain	LC/MS/MS	25-10000 pg/mL	Dog Serum
Fentanyl	Pain	LC/MS/MS	10-5000 pg/mL	Human EDTA Plasma
Fentanyl	Pain	LC/MS/MS	0.025-5 ng/mL	Human EDTA Plasma
Fexofenadine	Respiratory	LC/MS/MS	1-500 ng/mL	Human EDTA Plasma
Fexofenadine	Respiratory	LC/MS/MS	1-500 ng/mL	Human EDTA Plasma
Fexofenadine	Respiratory	LC/MS/MS	10-5000 ng/mL	Human Urine
Finasteride	Genitourinary	LC/MS/MS	0.5-50 ng/mL	Human EDTA Plasma
Finasteride	Genitourinary	LC/MS/MS	0.5-200 ng/mL	Human EDTA Plasma
Flecainide	Cardiovascular	HPLC/FLR	2-500 ng/mL	Human EDTA Plasma
Flosequinan	Cardiovascular	HPLC	20-1600 ng/mL	Human Plasma
Flosequinan; Sulfone Metabolite	Cardiovascular	LC/MS/MS	10-800 ng/mL	Human Heparinized Plasma
Fluconazole	Infectious Disease, Dermatology	LC/MS/MS	50-7500 ng/mL	Human Sodium Heparinized Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Fluorouracil	Oncology	LC/MS/MS	5-2499 ng/mL	Human EDTA Plasma
Fluoxetine; Norfluoxetine	Central Nervous System Agents	LC/MS	0.5-60 ng/mL	Human EDTA Plasma
Fluoxetine; Norfluoxetine; Ondansetron	Central Nervous System Agent/ Gastrointestinal	LC/MS/MS	2-1000 ng/mL;L 5-2500 ng/mL; 2.5-1000 ng/m	Rat Plasma
Fluticasone Propionate	Respiratory	LC/MS/MS	2.5-500 pg/mL	Human EDTA Plasma
(+)-3R,5S-Fluvastatin; (-)-3S,5R-Fluvastatin	Cardiovascular	LC/MS/MS	1-300 ng/mL	Human EDTA Plasma
(+)-3R,5S-Fluvastatin; (-)-3S,5R-Fluvastatin	Cardiovascular	LC/MS/MS	0.5-250 ng/mL	Human Plasma
Fluvastatin	Cardiovascular	LC/MS/MS	5-400 ng/mL	Human Sodium Heparinized Plasma
Fluvoxamine	Central Nervous System Agents	LC/MS/MS	0.5-200 ng/mL	Human EDTA Plasma
Fosinopril	Cardiovascular	LC/MS/MS	100-10000 pg/mL	Human EDTA Plasma
Fosinoprilat	Cardiovascular	LC/MS/MS	1-500 ng/mL	Human EDTA Plasma
FSH (Follicle Stimulating Hormone)	Endocrinology	RIA	2-100 mIU/mL	Human Serum
Furosemide	Cardiovascular	LC/MS/MS	5-1000 ng/mL	Human Urine
Furosemide	Cardiovascular	LC/MS/MS	50-4000 ng/mL	Human EDTA Plasma
Gabapentin	Central Nervous System Agents	LC/MS	50-10000 ng/mL	Human EDTA Plasma
Gabapentin	Central Nervous System Agents	LC/MS	50-25000 ng/mL	Pig EDTA Plasma
Gabapentin	Central Nervous System Agents	LC/MS/MS	0.05-10 µg/mL	Human Plasma
Gabapentin	Central Nervous System Agents	LC/MS	30-1500 ng/mL	Sheep Sodium Heparinized Plasma
Gabapentin	Central Nervous System Agents	LC/MS	2-250 µg/mL	Sheep Cerebrospinal Fluid (CSF)
Gabapentin	Central Nervous System Agents	LC/MS/MS	0.1-20 µg/mL	Dog Plasma
Gabapentin	Central Nervous System Agents	LC/MS/MS	100-50000 ng/mL	Human Cerebrospinal Fluid (CSF)
Gabapentin lactam	Central Nervous System Agents	LC/MS/MS	3-150 ng/mL	Human EDTA Plasma
Galanthamine	Central Nervous System Agents	LC/MS/MS	0.5-100 ng/mL	Human EDTA Plasma
Gemcitabine	Oncology	LC/MS/MS	100-50000 ng/mL	Human EDTA Plasma
Gemfibrozil	Cardiovascular	LC/MS/MS	100- 40000 ng/mL	Human EDTA Plasma
Genistein	Miscellaneous	LC/MS/MS	10-1000 ng/mL	Mouse Plasma
Gestodene	Endocrinology	LC/MS/MS	50.64-6330 pg/mL	Human EDTA Plasma
Gestodene/Ethinyl Estradiol	Endocrinology	LC/MS/MS	2.50-250 pg/mL	Human Serum
Glimepiride	Endocrinology	LC/MS/MS	1-500 ng/mL	Human EDTA Plasma
Glimepiride	Endocrinology	LC/MS/MS	1-250 ng/mL	Human EDTA Plasma
Glipizide	Endocrinology	LC/MS/MS	1-500 ng/mL	Human EDTA Plasma
Glucose	Miscellaneous	ELISA	12-300 mg/dL	Human serum
Glyburide	Diabetes	LC/MS/MS	1-300 ng/mL	Human Heparin Plasma
Glyburide	Diabetes	LC/MS/MS	2-300 ng/mL	Human EDTA Plasma
Glyburide	Diabetes	LC/MS/MS	1-300 ng/mL	Human EDTA Plasma
Guaifenesin	Respiratory	LC/MS/MS	10-5000 ng/mL	Human Plasma
Halobetasol Propionate	Dermatology	LC/MS/MS	50-20000 pg/mL	Rat EDTA Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Haloperidol	Central Nervous System Agents	LC/MS/MS	0.1-5.0 ng/mL	Human Plasma
Human Growth Hormone(hGH)	Endocrinology	RIA	1-40 ng/mL	Human Serum
Hydrochlorothiazide	Cardiovascular	HPLC/UV	4-300 ng/mL	Human EDTA Plasma
Hydrochlorothiazide	Cardiovascular	LC/MS/MS	1-250 ng/mL	Human EDTA Plasma
Hydrocodone	Pain	LC/MS/MS	150-30000 pg/mL	Human Plasma
Hydrocodone	Pain	LC/MS/MS	0.25-100 ng/mL	Human EDTA Plasma
Hydromorphone	Pain	LC/MS/MS	5-2500 pg/mL	Human Plasma
Hydroxy Acid Lovastatin	Cardiovascular	LC/MS/MS	200-50000 pg/mL	Human EDTA Plasma
3-Hydroxy anagrelide	Cardiovascular	LC/MS/MS	50-5000 pg/mL	Human EDTA Plasma
Hydroxybupropion	Central Nervous System Agents	LC/MS/MS	1-400 ng/mL	Human EDTA Plasma
3-Alpha Hydroxytibolone; 3-Beta Hydroxytibolone	Endocrinology	LC/MS/MS	100-20000 pg/mL	Human EDTA Plasma
Ibandronic Acid	Endocrinology	LC/MS/MS	20-2000 pg/mL	Human Plasma
Ibuprofen	Pain	HPLC/FLR	0.3-75 µg/mL	Human EDTA Plasma
Ibuprofen	Pain	LC/MS/MS	150-30000 ng/mL	Human EDTA Plasma
Imatinib;desmethyl imatinib	Oncology	LC/MS/MS	20-4000 ng/mL	Human Whole Blood
Imipramine; Desipramine	Central Nervous System Agents	LC/MS/MS	200-100000 pg/mL	Human Plasma
Indapamide	Cardiovascular	LC/MS/MS	0.25-50 ng/mL	Human Whole Blood
Insulin-like Growth Factor-1(IGF-1)	Endocrinology	ELISA	9-600 ng/mL	Human Serum
Interferon alpha2b	Oncology	ELISA	20-2500 pg/mL	Human Serum
Irbesartan	Cardiovascular	HPLC/FLR	20-400 ng/mL	Human EDTA Plasma
Irbesartan	Cardiovascular	LC/MS/MS	20-5000 ng/mL	Human EDTA Plasma
Isosorbide 5-Mononitrate	Cardiovascular	LC/MS/MS	5-1250 ng/mL	Human EDTA Plasma
Isotretinoin	Dermatology	LC/MS/MS	1-600 ng/mL	Human EDTA Plasma
NEW Isotretinoin; 4-Oxo-Isotretinoin	Dermatology	LC/MS/MS	1-800 ng/mL	Human EDTA plasma
Isradipine	Cardiovascular	LC/MS/MS	20-10000 pg/mL	Human EDTA Plasma
Isradipine	Cardiovascular	LC/MS/MS	50-10000 pg/mL	Human EDTA Plasma
Itraconazole	Infectious Disease	HPLC/FLR	2-500 ng/mL	Human EDTA Plasma
Ketoconazole	Infectious Disease	LC/MS/MS	20-10000 ng/mL	Human Sodium Heparinized Plasma
Ketoconazole	Infectious Disease	LC/MS/MS	50-5000 ng/mL	Human Heparinized Plasma
Ketoconazole	Infectious Disease	LC/MS/MS	20-10,000 ng/mL	Human Heparinized Plasma
3-Ketodesogestrel	Endocrinology	LC/MS/MS	25-5000 pg/mL	Human EDTA Plasma
Ketoprofen	Pain	LC/MS/MS	2-400 ng/mL	Human EDTA Plasma
Ketoprofen	Pain	LC/MS/MS	0.1-15 µg/mL	Human Urine
Ketoprofen	Pain	LC/MS/MS	0.1-15 µg/mL	Human Heparine Plasma
Lacidipine	Cardiovascular	LC/MS/MS	20-5000 pg/mL	Human EDTA Plasma
Lamivudine	Infectious Disease	LC/MS/MS	10-4000 ng/mL	Human EDTA Plasma
Lamotrigine	Central Nervous System Agents	LC/MS	50-10000 ng/mL	Human EDTA Plasma
Lansoprazole	Gastrointestinal	LC/MS/MS	2.5-2000 ng/mL	Human EDTA Plasma
Lansoprazole	Gastrointestinal	LC/MS/MS	2-2000 ng/mL	Human EDTA Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
L-Citrulline	Cardiovascular	LC/MS/MS	150-10000 ng/mL	Human EDTA Plasma
L-Citrulline	Cardiovascular	LC/MS/MS	150-10,000 ng/mL	Human EDTA Plasma
L-Citrulline	Cardiovascular	LC/MS/MS	500-20,000 ng/mL	Rat EDTA Plasma
L-Citrulline	Cardiovascular	LC/MS/MS	500-20000 ng/mL	Rat EDTA Plasma
Leflunomide metabolite (A77 1726)	Immunology	LC/MS/MS	40-16000 ng/mL	Human EDTA Plasma
(-)-R-Lercanidipine; (+)-S-Lercanidipine	Cardiovascular	LC/MS/MS	25-10000 pg/mL; 50-15000 pg/mL	Human Plasma
NEW Lercanidipine	Cardiovascular	LC/MS/MS	25-10000 pg/mL	Human EDTA Plasma
Letrozole	Oncology	LC/MS/MS	0.50-200 ng/mL	Human K3 EDTA Plasma
Leukotriene B4	Miscellaneous	LC/MS/MS	0.5-250 ng/mL	Rat EDTA Plasma
Leukotriene B4	Miscellaneous	LC/MS/MS	25-12500 pg/mL	Human EDTA Plasma
Leukotriene B4	Miscellaneous	LC/MS/MS	25-12500 pg/mL	Human Urine
Levetiracetam	Central Nervous System Agents	LC/MS/MS	100-40000 ng/mL	Human EDTA Plasma
Levodopa	Central Nervous System Agents	LC/MS/MS	10-6000 ng/mL	Human EDTA Plasma
Levofloxacin	Infectious Disease	HPLC/FLR	100-50000 ng/mL	Human Serum/ Sputum Homogenate
Levofloxacin	Infectious Disease	HPLC/FLR	200-100000 ng/mL	Human Urine
NEW Levomethadone; Dextromethadone	Pain	LC/MS/MS	0.5-100 ng/mL	Human Lithium Heparinized Plasma
Levonorgestrel	Endocrinology	LC/MS/MS	125-25000 pg/mL	Human EDTA Plasma
Levothyroxine (T4)	Endocrinology	RIA	10-250 ng/mL	Human Serum
Lidocaine	Pain	LC/MS/MS	1-250 ng/mL	Human EDTA Plasma
Linezolid	Infectious Disease	LC/MS/MS	100-20000 ng/mL	Human EDTA Plasma
Liothyronine	Endocrinology	RIA	0.5-25 ng/mL	Human Serum
Lisinopril	Cardiovascular	LC/MS/MS	0.5-50 ng/mL	Human EDTA Plasma
Loperamide	Gastrointestinal	LC/MS/MS	50-5000 pg/mL	Human EDTA Plasma
Loperamide	Gastrointestinal	LC/MS/MS	25-2500 pg/mL	Human EDTA Plasma
Loratadine; Descarboethoxy Loratadine	Respiratory	LC/MS/MS	20-20000 pg/mL	Human EDTA Plasma
Lorazepam	Central Nervous System Agents	LC/MS/MS	1-75 ng/mL	Human EDTA Plasma
Lorazepam	Central Nervous System Agents	LC/MS/MS	0.1-30 ng/mL	Human EDTA Plasma
Lorazepam	Central Nervous System Agents	LC/MS/MS	0.5-100 ng/mL	Human Heparinized Plasma
Losartan	Cardiovascular	LC/MS/MS	2-800 ng/mL	Human EDTA Plasma
Losartan	Cardiovascular	LC/MS/MS	2-500 ng/mL	Human Plasma
Losartan; Losartan Carboxy Acid	Cardiovascular	LC/MS/MS	2-800 ng/mL	Human Lithium Heparinized Plasma
Losartan; Losartan Carboxy Acid	Cardiovascular	LC/MS/MS	2-800 ng/mL	Human EDTA Plasma
Losartan; Losartan Carboxy Acid	Cardiovascular	LC/MS/MS	1-2000 ng/mL	Human EDTA Plasma
Lovastatin	Cardiovascular	LC/MS/MS	200-10000 pg/mL	Human EDTA Plasma
Lovastatin Hydroxy acid	Cardiovascular	LC/MS/MS	200-10000 pg/mL	Human EDTA Plasma
Luteinizing Hormone (LH)	Endocrinology	RIA	3-200 mIU/mL	Human Serum
Maraviroc	Infectious Disease	LC/MS/MS	1-1000 ng/mL	Human EDTA Plasma
Medroxyprogesterone Acetate	Endocrinology	LC/MS/MS	50-10000 pg/mL	Human EDTA Plasma
Medroxyprogesterone Acetate	Endocrinology	GC/MS/MS	5-2500 pg/mL	Human Heparinized Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Megestrol Acetate	Endocrinology	LC/MS/MS	2.5-5000 ng/mL	Rat EDTA Plasma
Megestrol Acetate	Endocrinology	LC/MS/MS	5-2500 ng/mL	Human EDTA Plasma
Megestrol Acetate; Hydroxymethyl Megestrol; Acetoxy Hydroxymethyl Megestrol; Acetoxy Dihydroxymethyl Megestrol	Endocrinology	LC/MS/MS	2-500 ng/mL; 1-250 ng/mL; 10-2500 ng/mL; 1-250 ng/mL	Human EDTA Plasma
Meloxicam	Pain	HPLC/FLR	40-1500	Human EDTA Plasma
Meloxicam	Pain	LC/MS/MS	10-1500 ng/mL	Human EDTA Plasma
Meloxicam	Pain	LC/MS/MS	20-200 ng/mL	Human EDTA Plasma
Memantine	Central Nervous System Agents	LC/MS	100-20000 pg/mL	Human EDTA Plasma
2-Mercaptoethanesulfonic Acid (MESNA); 2,2-Dithiobis-ethanesulfonic Acid (DIMESNA)	Miscellaneous	LC/MS/MS	10-8000 ng/mL; 25-20000 ng/mL	Human Urine
2-Mercaptoethanesulfonic Acid (MESNA); 2,2-Dithiobis-ethanesulfonic Acid (DIMESNA)	Miscellaneous	LC/MS/MS	40-10000 ng/mL; 500-250000 ng/mL	Buffered Human Plasma
6-Mercaptopurine	Oncology	LC/MS/MS	1-100 ng/mL	Human EDTA Plasma
Metaxalone	Central Nervous System Agents	LC/MS	25-2500 ng/mL	Human EDTA Plasma
Metformin	Endocrinology	LC/MS/MS	10-2500 ng/mL	Human Urine
Metformin	Endocrinology	LC/MS/MS	5-2000 ng/mL	Human EDTA Plasma
Metformin	Endocrinology	LC/MS/MS	5-1000 ng/mL	Human EDTA Plasma
Metformin	Endocrinology	LC/MS/MS	2-2000 ng/mL	Human EDTA Plasma
Methylphenidate	Central Nervous System Agents	LC/MS/MS	1-250 ng/mL	Human EDTA Plasma
Methylphenidate	Central Nervous System Agents	LC/MS/MS	100-5000 pg/mL	Human EDTA Plasma
Methylphenidate and Ritalinic acid	Central Nervous System Agents	LC/MS/MS	0.1-5 ng/mL; 2-100 ng/mL	Human EDTA Plasma
Methylphenidate and Ritalinic acid	Central Nervous System Agents	LC/MS/MS	1-200 ng/mL; 10-2000 ng/mL	Human Urine
Methylphenidate and Ritalinic acid	Central Nervous System Agents	LC/MS/MS	0.2-100 ng/mL; 5-2500 ng/mL	Dog EDTA Plasma
Methylprednisolone	Rheumatology	LC/MS/MS	0.25-25 ng/mL	Human NaF/ Potassium oxalate Plasma
Methylprednisolone	Immunology	LC/MS/MS	0.5-50 ng/mL	Human EDTA Plasma
5-Methyltetrahydrofolic Acid	Miscellaneous	LC/MS/MS	0.5-100 ng/mL	Human Serum
Metoclopramide	Gastrointestinal	LC/MS/MS	0.25-100 ng/mL	Human EDTA Plasma
Metolazone	Cardiovascular	LC/MS/MS	100-80000 pg/mL	Human EDTA Plasma
Metolazone	Cardiovascular	LC/MS/MS	500-150000 pg/mL	Human Whole Blood
Metoprolol	Cardiovascular	LC/MS/MS	0.1-20 ng/mL	Human EDTA Plasma
Metoprolol	Cardiovascular	LC/MS/MS	1-200 ng/mL	Human EDTA Plasma
Metoprolol	Cardiovascular	LC/MS	0.5-200 ng/mL	Human EDTA Plasma
Metoprolol (R)-(+) and (S)-(-)	Cardiovascular	LC/MS	100-40000 pg/mL	Human EDTA Plasma
Mianserin; Normianserin	Central Nervous System Agents	LC/MS/MS	1-200 ng/mL	Human EDTA Plasma
Midazolam	Central Nervous System Agents	LC/MS/MS	0.1-100 ng/mL	Human EDTA Plasma
Midazolam	Central Nervous System Agents	LC/MS/MS	0.5-100 ng/mL	Human Heparin Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Midazolam	Central Nervous System Agents	LC/MS/MS	10-10,000 pg/mL	Human Na EDTA Plasma
Midazolam; 1-OH-Midazolam	Central Nervous System Agents	LC/MS/MS	0.5-100 ng/mL	Human EDTA Plasma
Midazolam; 1-OH-Midazolam	Central Nervous System Agents	LC/MS/MS	0.5-100 ng/mL	Human Heparinized Plasma
Midazolam; 1-OH-Midazolam	Central Nervous System Agents	LC/MS/MS	0.1-200 ng/mL	Human EDTA Plasma
Minocycline	Infectious Disease	HPLC/UV	20-1000 ng/mL	Human EDTA Plasma
Minocycline	Infectious Disease	LC/MS/MS	20-5000 ng/mL	Human Lithium Heparinized Plasma
Mirtazapine	Central Nervous System Agents	LC/MS/MS	0.5-200 ng/mL	Human EDTA Plasma
Mirtazapine	Central Nervous System Agents	LC/MS/MS	1-200 ng/mL	Human EDTA Plasma
Mirtazapine	Central Nervous System Agents	LC/MS/MS	0.5-200 ng/mL	Human Plasma
Misoprostol Acid	Gastrointestinal	LC/MS/MS	10-500 pg/mL	Human EDTA Plasma
Misoprostol Acid	Gastrointestinal	LC/MS/MS	40-20000 pg/mL	Rat EDTA Plasma
Modafinil	Central Nervous System Agents	LC/MS/MS	20-4000 ng/mL	Human EDTA Plasma
Modafinil	Central Nervous System Agents	LC/MS/MS	20-4000 ng/mL	Human EDTA Plasma
Molsidomine; Linsidomine	Cardiovascular	LC/MS/MS	200-50000 pg/mL	Human EDTA Plasma
NEW Mometasone Furoate	Miscellaneous	LC/MS/MS	2-100 pg/mL	Human Plasma
Montelukast	Respiratory	LC/MS/MS	2.01-805.76 ng/mL	Human EDTA Plasma
Montelukast	Respiratory	LC/MS/MS	2-800 ng/mL	Human Sodium Heparin Plasma
Morphine	Pain	LC/MS/MS	0.25-50 ng/mL	Human EDTA Plasma
Morphine	Pain	LC/MS/MS	0.5-100 ng/mL	Human Plasma
Morphine metabolite: 3-Glucuronide	Pain	LC/MS/MS	10-2000 ng/mL	Human Plasma
Morphine metabolite: 6-Glucuronide	Pain	LC/MS/MS	2-400 ng/mL	Human Plasma
Morphine; Morphine-6-Glucuronide	Pain	LC/MS/MS	0.5-100 ng/mL; 2-400 ng/mL	Human EDTA Plasma
Moxifloxacin	Infectious Disease	LC/MS	10-5000 ng/mL	Human Sodium Heparinized Plasma
Mycophenolate Mofetil	Immunology	LC/MS/MS	20-4000 pg/mL	Human EDTA Plasma
Mycophenolic Acid	Immunology	LC/MS/MS	50-20000 ng/mL	Human EDTA Plasma
NEW Mycophenolic Acid Glucuronide; Mycophenolic Acid Acyl Glucuronide; Mycophenolic Acid 7- α -beta Glucoside	Immunology	LC/MS/MS	68-68000 ng/mL; 3.4-3400 ng/mL; 4-3400 ng/mL	Rat Plasma
Mycophenolic Acid Glucuronide	Immunology	LC/MS/MS	0.5-200 μ g/mL	Human EDTA Plasma
Nabumetone; 6-methoxy-2-naphtaleneacetic acid	Pain	HPLC/FLR	50-50000 ng/mL	Human EDTA Plasma
Naftidrofuryl	Cardiovascular	HPLC/FLR	5-1000 ng/mL	Human EDTA Plasma
Naftifine	Infectious Disease	LC/MS/MS	1-1000 ng/mL	Human EDTA Plasma
Naloxone; 6-Beta-Hydroxy-Naloxol	Pain	LC/MS/MS	5-500 pg/mL	Human Plasma
Naltrexone	Central Nervous System Agents	LC/MS/MS	1-100 ng/mL	Human Plasma
Naltrexone; 6 β -naltrexol	Central Nervous System Agents	LC/MS/MS	1-100 ng/mL	Human Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Naproxen	Pain	LC/MS/MS	1-100 µg/mL	Human EDTA Plasma
Naratriptan	Pain	LC/MS/MS	50-25000 pg/mL	Human Plasma
Nateglinide	Endocrinology	LC/MS/MS	50-20000 ng/mL	Human EDTA Plasma
(-)-Nebivolol; (+)-Nebivolol	Cardiovascular	LC/MS/MS	10-2500 pg/mL	Human Plasma
Nebivolol	Cardiovascular	LC/MS/MS	20-2500 pg/mL	Human EDTA Plasma
Nefazodone; Hydroxy Nefazodone and M-chlorophenylpiperazin	Central Nervous System Agents	LC/MS/MS	2-500 ng/mL; 0.4-100 ng/mL	Human EDTA Plasma
Nevirapine	Infectious Disease	LC/MS/MS	30-3000 ng/mL	Human EDTA Plasma
Niacin	Cardiovascular	LC/MS/MS	25-10000 ng/mL	Human EDTA Plasma
Niacin;Nicotinuric acid	Cardiovascular	LC/MS/MS	25-10000 ng/mL for both	Human Plasma
Nicorandil	Cardiovascular	LC/MS/MS	0.5-200 ng/mL	Human EDTA Plasma
Nicotine	Autonomic Drugs	LC/MS/MS	1-100 ng/mL	Human Sodium Heparin Plasma
Nicotine metabolite: Cotinine	Autonomic Drugs	LC/MS/MS	10-100 ng/mL	Human Plasma
Nifedipine	Cardiovascular	LC/MS/MS	5-1000 ng/mL	Rat Plasma
Nifedipine	Cardiovascular	LC/MS/MS	0.5-250 ng/mL	Human EDTA Plasma
Nifedipine	Cardiovascular	LC/MS/MS	0.5-100 ng/mL	Human EDTA Plasma
Nimesulide	Pain, Rheumatology	LC/MS	50-10000 ng/mL	Human EDTA Plasma
Nizatidine and N-2-monodesmethylnizatidine	Gastrointestinal	HPLC/UV	10-5000 ng/mL; 5-2500 ng/mL	Human EDTA Plasma
Nomegestrol	Endocrinology	LC/MS/MS	0.2-20 ng/mL	Human Plasma
Nomegestrol Acetate	Endocrinology	LC/MS/MS	50-20000 pg/mL	Human EDTA Plasma
Norethindrone	Endocrinology	GC/MS/MS	50-25000 pg/mL	Human Serum
Norethindrone	Endocrinology	LC/MS/MS	100-50000 pg/mL	Human EDTA Plasma
Norgestimate; 17-deacetyl norgestimate and Levonorgestrel	Endocrinology	LC/MS/MS	100-5000 ng/mL; 50-3000 pg/mL	Human EDTA Plasma
Nortriptyline; E-10-hydroxy nortriptyline	Central Nervous System Agents	LC/MS/MS	1-200 ng/mL	Human EDTA Plasma
Octreotide	Endocrinology	LC/MS/MS	50-4000 pg/mL	Human EDTA Plasma
Octreotide	Endocrinology	LC/MS/MS	0.25-5 ng/mL	Rat EDTA Plasma
O-desmethyltramadol	Pain	LC/MS/MS	1-100 ng/mL	Human Plasma
Ofloxacin	Infectious Disease	HPLC/FLR	5-5000 ng/mL	Human EDTA Plasma
Olanzapine	Central Nervous System Agents	LC/MS/MS	0.1-20 ng/mL	Human EDTA Plasma
Olmesartan	Cardiovascular	LC/MS/MS	3-1500 ng/mL	Human Plasma
Omeprazole	Gastrointestinal	LC/MS/MS	5-1000 ng/mL	Human EDTA Plasma
Omeprazole	Gastrointestinal	LC/MS/MS	2-1000 ng/mL	Human EDTA Plasma
Ondansetron	Gastrointestinal	LC/MS/MS	0.5-200 ng/mL	Human EDTA Plasma
Ondansetron	Gastrointestinal	LC/MS	10-1000 ng/mL	Human Lithium Heparin Plasma
Opi Pramol	Central Nervous System Agents	LC/MS/MS	100-40000 pg/mL	Human EDTA Plasma
Orlistat	Endocrinology/Metabolism	LC/MS/MS	10-4000 pg/mL	Human Plasma
Oxandrolone	Endocrinology	LC/MS/MS	0.2-20 ng/mL	Human EDTA Plasma
Oxcarbazepine; 10-Hydroxycarbamazepine	Central Nervous System Agents	LC/MS/MS	4-2000 ng/mL; 20-10000 ng/mL	Human EDTA Plasma
Oxcarbazepine; 10-Hydroxycarbamazepine	Central Nervous System Agents	LC/MS/MS	5-2500 ng/mL; 30-15000 ng/mL	Human EDTA Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Oxybutazone	Pain	HPLC/UV	0.1-50 µg/mL	Horse Plasma
Oxybutynin; N-Desethyloxybutynin	Genitourinary	LC/MS/MS	50-10000 pg/mL; 100-20000 pg/mL	Human Sodium Heparinized Plasma
Oxybutynin; N-Desethyloxybutynin	Genitourinary	LC/MS/MS	50-10000 pg/mL	Human EDTA Plasma
Oxycodone	Pain	LC/MS/MS	0.25-125 ng/mL	Human EDTA Plasma
Oxycodone	Pain	LC/MS/MS	0.25-90 ng/mL	Human EDTA Plasma
Oxycodone	Pain	LC/MS/MS	100-25000 ng/mL	Human Plasma
Oxycodone metabolite: Nor-oxymorphone	Pain	LC/MS/MS	0.25-50 ng/mL	Human Plasma
Oxymorphone	Pain	LC/MS/MS	0.1-20 ng/mL	Human EDTA Plasma
Oxymorphone metabolite: 6-OH Oxymorphone	Pain	LC/MS/MS	0.1-20 ng/mL	Human EDTA Plasma
Oxypurinol	Rheumatology	LC/MS/MS	25-2000 ng/mL	Human EDTA Plasma
Paclitaxel	Oncology	LC/MS/MS	50-10000 ng/mL	Dog Plasma
Paclitaxel	Oncology	LC/MS/MS	5-2500 ng/mL	K2-EDTA human plasma
Pantoprazole	Gastrointestinal	LC/MS/MS	20-4000 ng/mL	Human Lithium Heparinized Plasma
Pantoprazole	Gastrointestinal	HPLC/UV	20-2000 ng/mL	Human EDTA Plasma
Pantoprazole	Gastrointestinal	LC/MS/MS	20-4000 ng/mL	Human EDTA Plasma
Paricalcitol	Rheumatology	LC/MS/MS	10-1000 pg/mL	Human EDTA Plasma
Paroxetine	Central Nervous System Agents	LC/MS/MS	0.25-50 ng/mL	Human EDTA Plasma
Paroxetine	Central Nervous System Agents	LC/MS/MS	100-15000 pg/mL	Human EDTA Plasma
Paroxetine	Central Nervous System Agents	LC/MS/MS	0.1-30 ng/mL	Human K3 EDTA Plasma
NEW Pegasys (Pegylated Interferon alpha 2a)	Respiratory	Elisa	312.5-40000 pg/mL	Human Serum
Pemetrexed	Oncology	LC/MS/MS	1-200 µg/mL	Human EDTA Plasma
Penciclovir	Infectious Disease	LC/MS/MS	50-10000 ng/mL	Human EDTA Plasma
Pentazocine	Pain	LC/MS/MS	5-800 ng/mL	Human Plasma
Pentoxifylline	Genitourinary	HPLC/UV	10-400 ng/mL	Human Plasma
Pergolide	Central Nervous System Agents	LC/MS/MS	2-50 pg/mL	Human EDTA Plasma
Perindopril; Perindoprilat	Cardiovascular	LC/MS/MS	400-160000 pg/mL; 100-40000 pg/mL	Human EDTA Plasma
Phenylbutazone	Pain	HPLC/UV	0.1-50 µg/mL	Horse Plasma
Phenylephrine	Respiratory	LC/MS/MS	2-400 ng/mL	Monkey EDTA K2 Plasma
NEW Phenylephrine free	Infectious Disease	LC/MS/MS	10 to 2500 pg/mL	Human EDTA Plasma
Phenytoin	Central Nervous System Agents	LC/MS/MS	25-2500 ng/mL	Human Plasma
Pinaverium	Gastrointestinal	LC/MS/MS	5-2500 pg/mL	Human EDTA Plasma
Pioglitazone; Hydroxioglitazone	Endocrinology	LC/MS/MS	10-3000 ng/mL; 10-1500 ng/mL	Human EDTA Plasma
Pioglitazone; Hydroxioglitazone; Ketopioglitazone	Endocrinology	LC/MS/MS	10-2000 ng/mL; 20-2000 ng/mL; 4-800 ng/mL	Human EDTA Plasma
Piracetam	Central Nervous System Agents	LC/MS/MS	0.5-5 µg/mL	Human EDTA plasma
Piretanide	Cardiovascular	LC/MS/MS	0.5-300 ng/mL	Human EDTA Plasma
Pirlindole	Central Nervous System Agents	LC/MS/MS	0.5-500 ng/mL	Human Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Platinum (Free)	Oncology	ICP/MS	5-1000 ng/mL	Human EDTA Plasma
Platinum (Total)	Oncology	ICP/MS	5-1000 ng/mL	Human EDTA Plasma
Potassium	Miscellaneous	ICP/MS	200-40000 µg/mL	Human Urine
Pramipexole	Central Nervous System Agents	LC/MS/MS	50-5000 pg/mL	Human EDTA Plasma
Pramipexole	Central Nervous System Agents	LC/MS/MS	10.01-1004 pg/mL	Human EDTA Plasma
Pravastatin	Cardiovascular	LC/MS/MS	0.4-200 ng/mL	Human EDTA Plasma
Pravastatin; 3-a-hydroxy Pravastatin	Cardiovascular	LC/MS/MS	0.25-100 ng/mL; 0.25-50 ng/mL	Human EDTA Plasma
Pravastatin; 3-a-hydroxy Pravastatin	Cardiovascular	LC/MS/MS	0.25-100 ng/mL; 0.25-50 ng/mL	Human Lithium Heparinized Plasma
Prednisolone	Ophthalmic	LC/MS/MS	1-500 ng/mL	Human EDTA Plasma
Prednisolone	Ophthalmic	LC/MS/MS	1-100 ng/mL	Rat Plasma
Prednisone; Prednisolone	Immunology	LC/MS/MS	1-50 ng/mL; 5-250 ng/mL	Rabbit K3 EDTA Plasma
Prednisone; Prednisolone	Immunology	LC/MS/MS	1-50 ng/mL; 5-250 ng/mL	Human EDTA Plasma
Pregabalin	Central Nervous System Agents	LC/MS/MS	30.07-15036 ng/mL	Human EDTA Plasma
Primidone	Central Nervous System Agents	LC/MS/MS	20-2000 ng/mL	Human EDTA Plasma
Progesterone	Endocrinology	RIA	100-40000 pg/mL	Human Serum
Progesterone	Endocrinology	LC/MS/MS	100-50000 pg/mL	Human EDTA Plasma
Promethazine	Respiratory, Gastrointestinal	LC/MS/MS	0.5-20 ng/mL	Human EDTA Plasma
Propranolol Total; 4-Hydroxypropranolol	Cardiovascular	LC/MS/MS	0.5-100 ng/mL	Human EDTA Plasma
Propofol	Central Nervous System Agents	LC/MS	5-3000 ng/mL	Human Whole Blood
Propranolol Total	Cardiovascular	LC/MS/MS	1-400 ng/mL	Human EDTA Plasma
Propranolol Total; 4-hydroxypropranolol	Cardiovascular	LC/MS/MS	2-400 ng/mL; 0.5-100 ng/mL	Human EDTA Plasma
Propylene glycol	Miscellaneous	LC/MS/MS	1-500 µg/mL	Human Plasma
Pseudoephedrine	Respiratory	LC/MS/MS	6-600 ng/mL	Human EDTA Plasma
Pseudoephedrine	Respiratory	LC/MS/MS	0.2-100 ng/mL	Human Plasma
Pseudoephedrine	Respiratory	LC/MS	5-500 ng/mL	Human EDTA Plasma
Pyridoxal	Miscellaneous	LC/MS/MS	10-400 ng/mL	Human Whole Blood
Pyridoxal-5-Phosphate	Miscellaneous	LC/MS/MS	2-100 ng/mL	Human Plasma
Pyridoxamine	Miscellaneous	LC/MS/MS	200-50000 pg/mL	Human Blood
Pyridoxamine	Miscellaneous	LC/MS/MS	200-50000 pg/mL	Human Plasma
Pyridoxamine 5-phosphate	Miscellaneous	LC/MS/MS	500-50000 pg/mL	Human Blood
Pyridoxine	Miscellaneous	LC/MS/MS	1-200 ng/mL	Human Plasma
2-Pyridylacetic Acid	Miscellaneous	LC/MS/MS	2-1000 ng/mL	Human EDTA Plasma
2-Pyridylacetic Acid	Miscellaneous	LC/MS/MS	1-1000 ng/mL	Human EDTA Plasma
Quetiapine	Central Nervous System Agents	LC/MS/MS	5-2000 ng/mL	Human EDTA Plasma
Quetiapine	Central Nervous System Agents	LC/MS/MS	2-150 ng/mL	Human Sodium Heparinized Plasma
Quinapril; Quinaprilat	Cardiovascular	LC/MS/MS	2-200 ng/mL; 2.5-1000 ng/mL	Human EDTA Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Quinidine	Cardiovascular	LC/MS/MS	20-2000 ng/mL	Human EDTA Plasma
Quinidine	Cardiovascular	LC/MS/MS	40-4000 ng/mL	Human EDTA Plasma
Quinine	Infectious Disease	LC/MS/MS	10-2000 ng/mL	Human EDTA Plasma
Quinine	Infectious Disease	LC/MS/MS	25-5000 ng/mL	Human EDTA Plasma
R(-)-Bicalutamide; S(+)-Bicalutamide	Oncology	LC/MS/MS	1-2000 ng/mL; 0.5-2000 ng/mL	Human EDTA Plasma
R(-)-Bicalutamide; S(+)-Bicalutamide	Oncology	LC/MS/MS	5-1000 ng/mL; 5-200 ng/mL	Human EDTA Plasma
R(+)-Sibutramine; S(-)-Sibutramine	Central Nervous System Agents	LC/MS/MS	50-2000 pg/mL	Human EDTA plasma
R(+)-Sibutramine; S(-)-Sibutramine	Nervous system agent	LC/MS/MS	15-7500 pg/mL; 15-3000 pg/mL	Human Sodium Heparinized Plasma
R/S-Zopiclone (chiral method)	Central Nervous System Agents	LC/MS/MS	1-100 ng/mL	Human EDTA Plasma
Rabeprazole	Gastrointestinal	LC/MS/MS	2-1000 ng/mL	Human EDTA Plasma
Racecadotril	Gastrointestinal	LC/MS/MS	10-5000 pg/mL	Human Plasma
Raloxifene	Rheumatology	LC/MS/MS	10-500 pg/mL	Human EDTA Plasma
Raloxifene-4'-glucuronide; Raloxifene-6-glucuronide	Rheumatology	LC/MS/MS	2-200 ng/mL; 0.4-40 ng/mL	Human EDTA Plasma
Raloxifene-6-glucuronide	Rheumatology	LC/MS/MS	0.6-150 ng/mL; 0.3-75 ng/mL	Human EDTA Plasma
Ramipril; Ramiprilat	Cardiovascular	LC/MS/MS	200-80000 pg/mL; 200-80000 pg/mL	Human EDTA Plasma
Ramipril; Ramiprilat	Cardiovascular	LC/MS/MS	100-40000 pg/mL	Human EDTA Plasma
Ranitidine	Gastrointestinal	LC/MS/MS	4-1600 ng/mL	Human EDTA Plasma
Repaglinide	Endocrinology	LC/MS/MS	0.1-50 ng/mL	Human EDTA Plasma
Repaglinide	Endocrinology	LC/MS/MS	100-25000 pg/mL	Human EDTA Plasma
Rhein	Miscellaneous	LC/MS/MS	50-5000 ng/mL	Human EDTA Plasma
Ribavirin	Infectious Disease	LC/MS/MS	10-5000 ng/mL	Human EDTA Plasma
Rifaximin	Infectious Disease	LC/MS/MS	50-5000 pg/mL	Human Plasma
Risedronic Acid	Endocrinology, Rheumatology	LC/MS/MS	200-50000 pg/mL	Human EDTA Plasma
Risperidone; 9-hydroxyrisperidone	Central Nervous System Agents	LC/MS/MS	100-30000 pg/mL; 100-15000 pg/mL	Human EDTA Plasma
Risperidone; 9-hydroxyrisperidone	Central Nervous System Agents	LC/MS/MS	100-50000 pg/mL; 100-25000 pg/mL	Human EDTA Plasma
Ritalinic acid	Central Nervous System Agents	LC/MS/MS	1-250 ng/mL	Human EDTA Plasma
Ritonavir	Infectious Disease	LC/MS/MS	5-1000 ng/mL	Human EDTA Plasma
Rivastigmine	Central Nervous System Agents	LC/MS/MS	100-10000 pg/mL	Human EDTA Plasma
Rivastigmine and metabolite	Central Nervous System Agents	LC/MS/MS	0.2-30 ng/mL	Human EDTA Plasma
Rizatriptan	Pain	LC/MS/MS	100-40000 pg/mL	Human EDTA Plasma
Ropinirole	Central Nervous System Agents	LC/MS/MS	5-1000 pg/mL	Human EDTA Plasma
Rosiglitazone	Endocrinology	LC/MS/MS	2-900 ng/mL	Human EDTA Plasma
Rosuvastatin	Cardiovascular	LC/MS/MS	80-40000 pg/mL	Human EDTA Plasma
R-Selegiline	Central Nervous Agents	LC/MS/MS	50-5000 ng/mL	Human EDTA Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
R-Selegiline, N-Desmethyl Selegiline, L-Amphetamine and L-Methamphetamine	Central Nervous System Agents	LC/MS/MS	10-10000 pg/mL, 50-5000 pg/mL, 20-8000 pg/mL and 20-8000 pg/mL	Rat Plasma
R-Selegiline, N-Desmethyl Selegiline, L-Amphetamine and L-Methamphetamine	Central Nervous System Agents	LC/MS/MS	40-8000 pg/mL, 100-20000 pg/mL, 50-20000 pg/mL and 50-20000 pg/mL	Human Urine
R-Selegiline, N-Desmethyl Selegiline, L-Amphetamine and L-Methamphetamine	Central Nervous System Agents	LC/MS/MS	50-5000 pg/mL, 25-2500 pg/mL, 20-2500pg/mL and 15-6000 pg/mL	Human EDTA Plasma
R-Selegiline, N-Desmethyl Selegiline, L-Amphetamine and L-Methamphetamine	Central Nervous System Agents	LC/MS/MS	10-10000 pg/mL, 50-5000 pg/mL, 20-8000 pg/mL and 20-8000 pg/mL	Rabbit EDTA Plasma
Scopolamine	Gastrointestinal	LC/MS/MS	50-10000 pg/mL	Human Plasma
Sertraline	Central Nervous System Agents	LC/MS/MS	0.25-75 ng/mL	Human EDTA Plasma
Sertraline	Central Nervous System Agents	LC/MS/MS	0.25-75 ng/mL	Human EDTA Plasma
Sertraline	Central Nervous System Agents	LC/MS/MS	0.1-50 ng/mL	Human EDTA Plasma
Sibutramine; N-Mono-desmethyl-sibutramine; N-di-desmethyl-sibutramine	Central Nervous System Agents	LC/MS/MS	50-25000 pg/mL; 100-50000pg/mL; 100-50000pg/mL	Heparin Human Plasma
Sibutramine; N-mono-desmethyl-sibutramine; N-didesmethyl-sibutramine	Central Nervous System Agents	LC/MS/MS	50-12500 pg/mL; 100-5000 pg/mL; 100-10000pg/mL	Human Sodium Heparinized Plasma
Sildenafil; Desmethyl sildenafil	Genitourinary	LC/MS/MS	2-500 ng/mL	Human Plasma
Sildenafil; Desmethyl Sildenafil	Genitourinary	LC/MS/MS	2-500 ng/mL; 1-250 ng/mL	Human EDTA Plasma
Simvastatin and β -Hydroxy Acid Simvastatin	Cardiovascular	LC/MS/MS	100-20000 pg/mL; 100-5000 pg/nL	Human EDTA Plasma
Simvastatin; β -Hydroxy Acid Simvastatin	Cardiovascular	LC/MS/MS	100-20000 pg/mL; 100-5000 pg/mL	Human EDTA Plasma
Sirolimus	Immunology	LC/MS/MS	50-20000 pg/mL	Human Whole Blood
Sirolimus	Immunology	LC/MS/MS	0.25-50 ng/mL	Human Whole Blood
Sorafenib	Oncology	LC/MS/MS	10-5000 ng/mL	Human EDTA Plasma
Spironolactone	Cardiovascular	LC/MS/MS	1-200 ng/mL	Human EDTA Plasma
Spironolactone and Canrenone	Cardiovascular	LC/MS/MS	0.5-100 ng/mL	Human EDTA Plasma
Stavudine	Infectious Disease	LC/MS/MS	2.5-2000 ng/mL	Human EDTA Plasma
Sumatriptan	Pain	LC/MS/MS	0.5-50 ng/mL	Human EDTA Plasma
Sumatriptan	Pain	LC/MS/MS	0.5-100 ng/mL	Human Plasma
Sunitinib/n-desethyl-sunitinib	Oncology	LC/MS/MS	0.25-100 ng/mL each	Human EDTA Plasma
Synephrine	Cardiovascular, Ophthalmic	LC/MS/MS	1-100 ng/mL	Human EDTA Plasma
Tacrolimus	Immunology	LC/MS/MS	0.25-50 ng/mL	Whole blood
Tacrolimus	Immunology	LC/MS/MS	0.25-20 ng/mL	Human Whole Blood
Tadalafil	Cardiovascular	LC/MS/MS	5-2500 ng/mL	Human EDTA Plasma
Tamoxifen	Oncology	LC/MS/MS	0.5-100 ng/mL	Human EDTA Plasma
Tamoxifen; N-desmethyl-tamoxifen	Oncology	LC/MS/MS	0.5-50 ng/mL; 0.5-25 ng/mL	Human EDTA Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Tamsulosin	Genitourinary	LC/MS/MS	100-30000 pg/mL	Human EDTA Plasma
Telmisartan	Cardiovascular	LC/MS/MS	1-500 ng/mL	Human EDTA Plasma
Terbinafine	Infectious Disease, Dermatology	LC/MS/MS	10-5000 ng/mL	Human Nails
Terbinafine	Infectious Disease, Dermatology	LC/MS/MS	25-12500 pg/mL	Human EDTA Plasma
Terbinafine	Infectious Disease, Dermatology	LC/MS/MS	1-500 ng/mL	Rat EDTA Plasma
Testosterone	Endocrinology	GC/MS/MS	25-3200 pg/mL	Human Heparin Plasma
Testosterone	Endocrinology	GC/MS/MS	50-7500 pg/mL	Human Heparin Plasma
Testosterone	Endocrinology	LC/MS/MS	60-12000 pg/mL	Human Serum
Testosterone	Endocrinology	GC/MS/MS	25-3200 pg/mL	Human Serum
NEW Testosterone; Dihydrotestosterone	Endocrinology	LC/MS/MS	50-10000 pg/mL	Human Sodium Fluoride/Potassium Oxalate Plasma
Theophylline	Respiratory	LC/MS/MS	20-20,000 ng/mL	Human EDTA Plasma
Thiorphan	Gastrointestinal	LC/MS/MS	0.5-250 ng/mL	Human Plasma
NEW Thromboxane B2	Endocrinology	LC/MS/MS	10-10000 pg/mL	Human Serum
Tianeptine; tianeptine metabolite (MC5)	Tricyclic antidepressant	LC/MS/MS	5-500 ng/mL; 2.5-250 ng/mL	Human Plasma
Tibolone	Endocrinology	LC/MS/MS	50-5000 pg/mL	Human EDTA Plasma
Tibolone delta-4	Endocrinology	LC/MS/MS	75-2500 pg/mL	Human EDTA Plasma
Tibolone, 3-Alpha Hydroxytibolone and 3-Beta Hydroxytibolone	Endocrinology	GC/MS	100-20000 pg/mL	Human EDTA Plasma
Ticlopidine	Cardiovascular	LC/MS/MS	5-625 ng/mL	Human EDTA Plasma
Tizanidine	Central Nervous System Agents	LC/MS/MS	50-8000 pg/mL	Human EDTA Plasma
Tizanidine	Central Nervous System Agents	LC/MS/MS	50-25000 pg/mL	Dog EDTA Plasma
Tizanidine	Central Nervous System Agents	LC/MS/MS	1-500 ng/mL	Rat EDTA Plasma
Tizanidine; Tizanidine-M4	Central Nervous System Agents	LC/MS/MS	50-2500pg/mL; 100-50000 pg/mL	Human EDTA Plasma
Tobramycin	Infectious Disease	HPLC/FLR	0.5-9.9 ug/mL	Human Serum
Tolterodine; 5-hydroxymethyl Tolterodine	Genitourinary	LC/MS/MS	20-4000 pg/mL	Human Plasma
Topiramate	Central Nervous System Agents	GC/MS	10-1500 ng/mL	Human EDTA Plasma
Topiramate	Central Nervous System Agents	LC/MS/MS	10-1000 ng/mL	Human Plasma
Topiramate	Central Nervous System Agents	LC/MS/MS	0.1-20 ug/mL	Human Urine
Topiramate	Central Nervous System Agents	LC/MS/MS	20-2000 ng/mL	Dog Heparine Plasma
Torsemide	Cardiovascular	LC/MS/MS	10-3000 ng/mL	Human Plasma
Torsemide	Cardiovascular	HPLC/UV	100-20000 ng/mL	Human EDTA Plasma
Torsemide	Cardiovascular	LC/MS/MS	0.5-200; 100-25,000 ng/mL	Human EDTA Plasma
Torsemide	Cardiovascular	LC/MS/MS	0.5-200; 100-10,000 ng/mL	Human Urine
Tramadol	Pain	LC/MS/MS	2-400 ng/mL	Human Plasma
Tramadol; O-desmethyltramadol	Pain	LC/MS/MS	0.5-100 ng/mL	Human EDTA Plasma
Tramadol; O-desmethyltramadol	Pain	LC/MS/MS	1-1500 ng/mL; 0.5-300 ng/mL	Human Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Tramadol; O-desmethyltramadol	Pain	LC/MS/MS	0.5-20 ng/mL; 0.5-50 ng/mL	Human EDTA Plasma
Tramadol; O-desmethyltramadol	Pain	LC/MS/MS	2-400 ng/mL	Human EDTA Plasma
Trandolapril; Tradolaprilat	Cardiovascular	LC/MS/MS	0.1-20 ng/mL	Human EDTA Plasma
Trandolapril; Tradolaprilat	Cardiovascular	LC/MS/MS	25-1000 pg/mL; 50-2000 pg/mL	Human EDTA Plasma
Tranlycypromine	Central Nervous System Agents	LC/MS	1-50 ng/mL	Human EDTA Plasma
Trazodone	Central Nervous System Agents	LC/MS/MS	10-2,000 ng/mL	Human Lithium Heparinized Plasma
Triamcinolone Acetonide	Pain, Dermatology	LC/MS/MS	100-8000 pg/mL	Human EDTA Plasma
2,3,4-Trihydroxybenzylhydrazine	Miscellaneous	LC/MS/MS	200-50000 pg/mL	Human Plasma
2,3,4-Trihydroxybenzylhydrazine	Miscellaneous	LC/MS/MS	0.5-20 ng/mL	Dog Plasma
Trimetazidine	Cardiovascular	LC/MS/MS	1-200 ng/mL	Human EDTA Plasma
NEW Trosipium	Genitourinary	LC/MS/MS	4-2000 pg/mL	Human EDTA Plasma
Tucaresol	Infectious Disease	LC/MS/MS	75-15000 ng/mL	Human EDTA Plasma
Ursodiol; Tauroursodeoxycholic Acid; Glycoursodeoxycholic Acid	Gastrointestinal	LC/MS/MS	6-6000; 0.5-250; 12-6000 ng/mL	Human EDTA Plasma
Valacyclovir	Infectious Disease	LC/MS/MS	1-400 ng/mL	Human EDTA Plasma
Valproic Acid	Central Nervous System Agents	LC/MS/MS	0.5-100 µg/mL	Human EDTA Plasma
Valproic Acid	Central Nervous System Agents	LC/MS/MS	1-100 µg/mL	Human Urine
Valproic Acid	Central Nervous System Agents	LC/MS/MS	1-100 µg/mL	Human Serum
Valproic Acid Glucuronide	Central Nervous System Agents	LC/MS/MS	1-100 µg/mL	Human Urine
Valproic Acid Glucuronide	Central Nervous System Agents	LC/MS/MS	1-100 µg/mL	Human Serum
Valsartan	Cardiovascular	LC/MS/MS	20-10000 ng/mL	Human EDTA Plasma
Vardenafil	Genitourinary	LC/MS/MS	80-40000 pg/mL	Human Plasma
Varenicline	Central Nervous System Agents	LC/MS/MS	40-10000 pg/mL	Human Plasma
Venlafaxine; O-desmethyl-venlafaxine	Central Nervous System Agents	LC/MS/MS	5-200 ng/mL; 5-400 ng/mL	Human EDTA Plasma
Venlafaxine; O-desmethyl-venlafaxine	Central Nervous System Agents	LC/MS/MS	1-150 ng/mL; 2-200 ng/mL	Human EDTA Plasma
Venlafaxine; O-desmethyl-venlafaxine	Central Nervous System Agents	LC/MS/MS	1-200 ng/mL; 3-300 ng/mL	Human EDTA Plasma
Venlafaxine; O-desmethyl-venlafaxine	Central Nervous System Agents	LC/MS/MS	1-200 ng/mL; 3-300 ng/mL	Human EDTA Plasma
Verapamil; Normethylverapamil (Chiral)	Cardiovascular	LC/MS/MS	1-100 ng/mL	Human EDTA Plasma
Vinorelbine	Oncology	LC/MS/MS	1-1000 ng/mL	Human EDTA Plasma
Voriconazole	Infectious Disease, Dermatology	LC/MS/MS	5-2000 ng/mL	Human EDTA Plasma
Warfarin	Cardiovascular	HPLC/FLR	20-1500 ng/mL	Human EDTA Plasma
Zaleplon	Central Nervous System Agents	LC/MS/MS	100-45000 pg/mL	Human EDTA Plasma
Zidovudine	Infectious Disease	HPLC/UV	10-2000 ng/mL	Human EDTA Plasma

BIOANALYTICAL METHODS

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Ziprasidone	Central Nervous System Agents	LC/MS	0.5-100 ng/mL	Human EDTA Plasma
Zoledronic Acid	Oncology	LC/MS/MS	1-250 ng/mL	Human Urine
Zoledronic Acid	Oncology	LC/MS/MS	1-250 ng/mL	Human Serum
Zolmitriptan; N-desmethylzolmitriptan	Pain	LC/MS/MS	100-20000 pg/mL; 50-10000 pg/mL	Human EDTA Plasma
Zolpidem	Central Nervous System Agents	LC/MS/MS	1-250 ng/mL	Human EDTA Plasma
Zonisamide	Central Nervous System Agents	LC/MS/MS	25-5000 ng/mL	Human Whole Blood
Zonisamide	Central Nervous System Agents	LC/MS/MS	20-2500 ng/mL	Human EDTA Plasma
Zonisamide	Central Nervous System Agents	LC/MS/MS	50-2500 ng/mL	Human Serum

BIOANALYTICAL METHODS IN DEVELOPMENT

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Allopurinol; Oxypurinol	Antigout Drugs	LC/MS/MS	TBD	Human Urine
Atorvastatin lactones		TBD	TBD	TBD
Atorvastatin	Cardiovascular	LC/MS/MS	TBD	TBD
Desmopressin	Antidiuretic hormone	LC/MS/MS	TBD	Human Plasma
Dutasteride	Endocrinology	LC/MS/MS	50-5000 pg/mL	Human EDTA Plasma
Entecavir	Infectious Disease	LC/MS/MS	TBD	TBD
EPA/DHA		TBD	TBD	TBD
Fluticasone	Respiratory	TBD	TBD	Human Plasma
Glucagon	TBD	ELISA	TBD	TBD
Guanfacine	Cardiovascular	LC/MS/MS	TBD	TBD
Lapatinib	TBD	LC/MS/MS	TBD	TBD
Lisdexanfetamine	Central Nervous System Agents	LC/MS/MS	TBD	TBD
Methazolamide		LC/MS/MS	TBD	Human EDTA Plasma
Methazolamide		LC/MS/MS	TBD	Human Whole Blood
Moexipril	Cardiovascular	TBD	TBD	TBD
Valgancyclovir; gancyclovir	Infectious Disease	LC/MS/MS	TBD	TBD

POTENTIAL METHODS DEVELOPMENT

Compound (Metabolite)	Therapeutic Class	Bioanalytical Method	Calibration Range	Bioanalytical Matrix
Aliskiren	Cardiovascular	LC/MS/MS	TBD	TBD
Alvimopan	Gastrointestinal	LC/MS/MS	TBD	TBD
Budenoside; Hydroxybudenoside	Respiratory	LC/MS/MS	TBD	TBD
Budenoside; Hydroxybudenoside		LC/MS/MS	TBD	TBD
Cholecalciferol, calcitriol and calcifediol	Endocrinology	LC/MS/MS	TBD	TBD
Clomiphene	Endocrinology	LC/MS/MS	TBD	TBD
Colesevelam	Cardiovascular	LC/MS/MS	TBD	TBD
C-Peptide		ELISA	0.25-15 ng/mL	Human Serum
Deferasirox	Endocrinology	LC/MS/MS	TBD	TBD
Deferasirox free	TBD	LC/MS/MS	TBD	TBD
Deferasirox Total	TBD	TBD	TBD	TBD
Dexlansoprazole	Gastrointestinal	LC/MS/MS	TBD	TBD
Doxercalciferol	Endocrinology	LC/MS/MS	TBD	TBD
Eltrombopag	TBD	LC/MS/MS	TBD	TBD
G-CSF		ELISA	40-2500 pg/mL	Human Serum
Idebenone		LC/MS/MS	TBD	Human Plasma
Imiquimod		TBD	TBD	TBD
Indomethacin	Pain	LC/MS/MS	TBD	TBD
Leuprolide	Oncology OR Endocrinology	TBD	TBD	TBD
Phenylephrine total		LC/MS/MS	TBD	TBD
Riluzole	Central Nervous System Agents	TBD	TBD	TBD
Solifenacin	Genitourinary	TBD	TBD	TBD
Tilidin; nortilidine	Pain	LC/MS/MS	TBD	TBD

Legend :

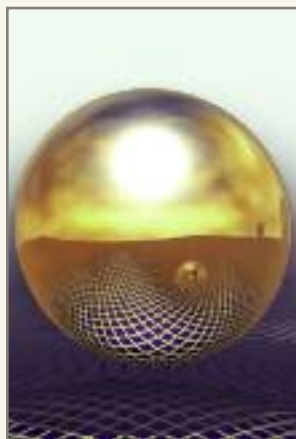
HPLC	High Performance Liquid Chromatography
LC	Liquid Chromatography
GC	Gas Chromatography
UV	Ultraviolet
FLR	Fluorescenc
EC	Electrochemistry
MS	Mass Spectrometry
ECD	Electron Capture Detection
RIA	Radio Immuno Assay
ICP/MS	Inductively Coupled Plasma Mass Spectroscopy

BIOMARKERS LISTED BY MARKER

Analyte	Method	Disease/Mechanism	Regulatory Compliance	Specifically related pathologies
ACTH	IRMA	steroid	GCP	Pituitary, Cytokines, CRF
Albumin	Colorimetric	general	GCP	Malnutrition, Liver, Renal, Stress
C-Peptide	RIA/Chemiluminescence	diabetes	GCP	Diabetes (1, 2), Liver, Insulinoma
Calcium	Colorimetric	bone	GCP	Osteoporosis, Heart, Diabetes
Cholesterol	Enzymatic	lipid	GCP	Gallbladder, Metabolic, Heart
Cortisol	LC/MS/MS / Chemiluminescence	steroid	GLP/GCP	Addison, Cushing, Aids, Crohn's
DHEA	RIA	steroid	GCP/GLP	Alzheimer's, Metabolic Syndrome
Estradiol	RIA/Chemiluminescence/MEIA	steroid	GCP	Pituitary, Skin, Thrombolic, Heart
Estradiol; 17 beta	GC/MS/MS	steroid	GLP	Alzheimer's, Heart, Gallstone
Estradiol; Estrone	LC/MS/MS	steroid	GLP	Pituitary, Skin, Thrombolic, Heart
Estradiol; Estrone	GC/MS	steroid	GLP	Pituitary, Skin, Thrombolic, Heart
Estrone	RIA	steroid	GCP	Acne, Adrenal, Age-associated
Estrone	GC/MS/MS	steroid	GLP	Acne, Adrenal, Age-associated
Estrone (Total)	LC/MS/MS	steroid	GLP	Acne, Adrenal, Age-associated
Estrone (total)	GC/MS-CI	steroid	GLP	Acne, Adrenal, Age-associated
Estrone Conjugates	GC/MS/MS	steroid	GLP	Acne, Adrenal, Age-associated
Estrone sulfate	LC/MS/MS	steroid	GLP	Acne, Adrenal, Age-associated
Estrone Sulfate (total)	LC/MS/MS	steroid	GLP	Acne, Adrenal, Age-associated
Fibrinogen	Turbidometric	coagulation	GCP	Alzheimer's, CHD, Gum, Blood
Fructosamine	Colorimetric	diabetes	GCP	Diabetes, Kidney, CV, Peridental
FSH	RIA/MEIA	pituitary	GCP/GLP	Autoimmune, Cancer, Addison's
Glucose	Colorimetric/Elisa	diabetes	GCP/GLP	Diabetes, CHD, Kidney, Glycogen
Growth Hormone, human (hGH)	RIA	growth modulation	GCP	Acromegaly, Creutzfeldt-Jakob
Hemoglobin	Spectroscopy	general	GCP	Congenital HD, S.Cell and others
IGF	RIA/EIA	growth modulation	GCP	Alzheimer's, Dwarfism, Infertility
Insulin	RIA/Chemiluminescence	diabetes	GCP	Insulin resistance, CHD, Obesity
LH	RIA/LEIA	pituitary	GCP/GLP	Autoimmune, Parkinson, Raynaud's
Niacin	LC/MS/MS	vitamin	GLP	Raynaud, Alzheimer's, Dementia
Phosphorus	Colorimetric	bone	GCP	Acidosis, Metabolism, CKD
Potassium	ICP/ISE	cardio/hypertension	GCP	IBD, CKD, Acidosis, Sick-Sinus
Progesterone	LC/MS/MS / Chemiluminescence	cardio/hypertension	GLP/GCP	Hypothalamic, Breast Cancer, HD
Prothrombin	EIA	coagulation	GCP	Hemophilia, Hypoprothrombinemia
PTH	Chemiluminescence	bone	GCP	Osteoporosis, VitaminDmetabolism
SHBG	RIA/EIA	steroid	GCP	Alzheimer's, Cancer, Age-related
Sodium	ISE	cardio/hypertension	GCP	Blood pressure, Stroke, Kidney
T3	RIA/Chemiluminescence/MEIA	thyroid	GCP/GLP	Autoimmune, Thyroid diseases
T4	RIA/Chemiluminescence/MEIA	thyroid	GCP/GLP	Autoimmune, Thyroid diseases
Testosterone	GC/MS/MS	steroid	GLP	Sexual Dysfunction, Age, Cancer
Testosterone	LC/MS/MS / Chemiluminescence	steroid	GLP/GCP	Sexual Dysfunction, Age, Cancer
TNF	EIA	coagulation	GCP	Autoimmune(Inflammatory), Age
TSH	RIA/Chemiluminescence	steroid	GCP	Thyroid diseases, Autoimmune, Age
TSH	RIA/Chemiluminescence/MEIA	steroid	GCP	Thyroid diseases, Autoimmune, Age

BIOMARKERS LISTED BY DISEASE - MECHANISM

Disease/Mechanism	Specifically related pathologies	Analyte	Method	Regulatory Compliance
bone	Osteoporosis, Heart, Diabetes	Calcium	Colorimetric	GCP
bone	Acidosis, Metabolism, CKD	Phosphorus	Colorimetric	GCP
bone	Osteoporosis, VitaminD metabolism	PTH	Chemiluminescence	GCP
cardio/hypertension	Blood pressure, Stroke, Kidney	Sodium	ISE	GCP
cardio/hypertension	IBD, CKD, Acidosis, Sick-Sinus	Potassium	ICP/ISE	GCP
cardio/hypertension	Hypothalamic, Breast Cancer, HD	Progesterone	LC/MS/MS / Chemiluminescence	GLP/GCP
coagulation	Hemophilia, Hypoprothrombinemia	Prothrombin	EIA	GCP
coagulation	Autoimmune (Inflammatory), Age	TNF	EIA	GCP
coagulation	Alzheimer's, CHD, Gum, Blood	Fibrinogen	Turbidometric	GCP
diabetes	Diabetes, Kidney, CV, Peridontal	Fructosamine	Colorimetric	GCP
diabetes	Diabetes, CHD, Kidney, Glycogen	Glucose	Colorimetric/Elisa	GCP/GLP
diabetes	Diabetes (1, 2), Liver, Insulinoma	C-Peptide	RIA/Chemiluminescence	GCP
diabetes	Insulin resistance, CHD, Obesity	Insulin	RIA/Chemiluminescence	GCP
general	Congenital HD, S.Cell and others	Hemoglobin	Spectroscopy	GCP
general	Malnutrition, Liver, Renal, Stress	Albumin	Colorimetric	GCP
growth modulation	Acromegaly, Creutzfeldt-Jakob	Growth Hormone, human (hGH)	RIA	GCP
growth modulation	Alzheimer's, Dwarfism, Infertility	IGF	RIA/EIA	GCP
lipid	Gallbladder, Metabolic, Heart	Cholesterol	Enzymatic	GCP
pituitary	Autoimmune, Cancer, Addison's	FSH	RIA/MEIA	GCP/GLP
pituitary	Autoimmune, Parkinson, Raynaud's	LH	RIA/LEIA	GCP/GLP
steroid	Thyroid diseases, Autoimmune, Age	TSH	RIA/Chemiluminescence	GCP
steroid	Thyroid diseases, Autoimmune, Age	TSH	RIA/Chemiluminescence/MEIA	GCP
steroid	Sexual Dysfunction, Age, Cancer	Testosterone	GC/MS/MS	GLP
steroid	Sexual Dysfunction, Age, Cancer	Testosterone	LC/MS/MS / Chemiluminescence	GLP/GCP
steroid	Alzheimer, Cancer, Age-related	SHBG	RIA / EIA	GCP
steroid	Addison, Cushing, Aids, Crohn's	Cortisol	LC/MS/MS / Chemiluminescence	GLP/GCP
steroid	Pituitary, Cytokines, CRF	ACTH	IRMA	GCP
steroid	Alzheimer, Metabolic Syndrome	DHEA	RIA	GCP/GLP
steroid	Pituitary, Skin, Thrombolic, Heart	Estradiol; Estrone	LC/MS/MS	GLP
steroid	Pituitary, Skin, Thrombolic, Heart	Estradiol; Estrone	GC/MS	GLP
steroid	Alzheimer, Heart, Gallstone	Estradiol; 17 beta	GC/MS/MS	GLP
steroid	Pituitary, Skin, Thrombolic, Heart	Estradiol	RIA/Chemiluminescence/MEIA	GCP
steroid	Acne, Adrenal, Age-associated	Estrone	RIA	GCP
steroid	Acne, Adrenal, Age-associated	Estrone	GC/MS/MS	GLP
steroid	Acne, Adrenal, Age-associated	Estrone (Total)	LC/MS/MS	GLP
steroid	Acne, Adrenal, Age-associated	Estrone Conjugates	GC/MS/MS	GLP
steroid	Acne, Adrenal, Age-associated	Estrone sulfate	LC/MS/MS	GLP
steroid	Acne, Adrenal, Age-associated	Estrone Sulfate (total)	LC/MS/MS	GLP
steroid	Acne, Adrenal, Age-associated	Estrone (total)	GC/MS-CI	GLP
thyroid	Autoimmune, Thyroid diseases	T3	RIA/Chemiluminescence/MEIA	GCP/GLP
thyroid	Autoimmune, Thyroid diseases	T4	RI /Chemiluminescence/MEIA	GCP/GLP
vitamin	Raynaud, Alzheimer, Dementia	Niacin	LC/MS/MS	GLP



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