

## Assay List

Last updated: 20 May 2008

Note: Most of the HPLC assays below will be revalidated using LC/MS/MS method in future investigation.

Drug Name	Metabolites	Assay Type	Matrix
Acitretin	13-cis-acitretin	LC/MS/MS	Human plasma
Acyclovir		LC/MS/MS	Human plasma
Alendronate		LC/MS/MS	Human urine
Allopurinol	Oxypurinol	LC/MS/MS	Human plasma
Amantadine		LC/MS/MS	Human plasma
Amiodarone	Desethyl amiodarone	LC/MS/MS	Human plasma
Amisulprine		LC/MS/MS	Human plasma
Amitriptyline		LC/MS/MS	Human plasma
Amlodipine		LC/MS/MS	Human plasma
Amoxicillin		LC/MS/MS	Human plasma
Anastrozole		LC/MS/MS	Human plasma
Atenolol		LC/MS/MS	Human plasma
Atorvastatin		LC/MS/MS	Human plasma
Avermectin		HPLC/UV, LC/MS/MS	Sheep or cattle plasma
Azathioprine		LC/MS/MS	Human plasma
Azithromycin		LC/MS/MS	Human plasma
Baclofen		LC/MS/MS	Human plasma
Beclomethasone dipropionate		LC/MS/MS	Human plasma
Bicalutamide & chiral selective		LC/MS/MS	Human plasma
Bisoprolol		LC/MS/MS	Human plasma
Calcitriol		RIA	Human plasma
Carvedilol and chiral selective		LC/MS/MS	Human plasma
Cefaclor		HPLC/UV, LC/MS/MS	Human plasma
Cefotaxime		LC/MS/MS	Human plasma
Celiprolol		LC/MS/MS	Human plasma
Cephalexin		HPLC/UV, LC/MS/MS	Human plasma
Cetirizine		LC/MS/MS	Human plasma
Ciclosporin A		LC/MS/MS	Human plasma
Cilazapril	Cilazaprilat	LC/MS/MS	Human plasma
Cimetidine		HPLC/UV, LC/MS/MS	Human plasma
Ciprofloxacin		LC/MS/MS	Human plasma
Citalopram		LC/MS/MS	Human plasma
Citalopram chiral selective	Desmethylcitalopram	LC/MS/MS	Human plasma
Clarithromycin	14-hydroxy clarithromycin	LC/MS/MS	Human plasma
Clavulanic acid		LC/MS/MS	Human plasma
Clomiphene		LC/MS/MS	Human plasma
Clopidogrel		LC/MS/MS	Human plasma
Clozapine		LC/MS/MS	Human plasma
Codone		LC/MS/MS	Human plasma
Cortisone		LC/MS/MS	Human plasma
Cyproterone	15 $\beta$ -hydroxycyproterone acetat	LC/MS/MS	Human plasma
Diazepam		LC/MS/MS	Human plasma
Diclofenac		LC/MS/MS	Human plasma
Dicloxacillin		LC/MS/MS	Human plasma
Diltiazem	N-desmethyl diltiazem & Desacetyl diltiazem	LC/MS/MS	Human plasma
Diphenhydramine		LC/MS/MS	Human plasma
Doramectin		LC/MS/MS	Cattle plasma
Doxepin	desmethyl doxepin	LC/MS/MS	Human plasma
Doxycycline		LC/MS/MS	Human plasma
Enalapril	Enalaprilat	LC/MS/MS	Human plasma
Enoxacin		LC/MS/MS	Human plasma
Erythromycin		LC/MS/MS	Human plasma
Escitalopram		LC/MS/MS	Human plasma
Ethinylestradiol		LC/MS/MS	Human plasma
Famotidine		LC/MS/MS	Human plasma
Felodipine		LC/MS/MS	Human plasma
Flecainide		HPLC/UV, LC/MS/MS	Human plasma
Floxuridine		LC/MS/MS	Human plasma
Flucloxacillin		HPLC/UV, LC/MS/MS	Human plasma
Fluconazole		HPLC/UV, LC/MS/MS	Human plasma
Flutamide-2-hydroxy		HPLC/UV, LC/MS/MS	Human plasma
Frecanide		HPLC/Fiu, LC/MS/MS	Human plasma

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Frusemide		HPLC/Flu, LC/MS/MS	Human plasma
Gabapentin		HPLC/Flu, LC/MS/MS	Human plasma
Gallopamil		HPLC/Flu, LC/MS/MS	Human plasma
Gemfibrozil		HPLC/UV, LC/MS/MS	Human plasma
Glibenclamide		LC/MS/MS	Human plasma
Glimepiride		LC/MS/MS	Human plasma
Hydrocortisone		LC/MS/MS	Lotion
Indomethacin		LC/MS/MS	Human plasma
Irbesartan		LC/MS/MS	Human plasma
Isotretinoin	4oxo-isotretinoin	LC/MS/MS	Human plasma
Isoxicam		HPLC/UV, LC/MS/MS	Human plasma
Isradipine		LC/MS/MS	Human plasma
Ivermectin		HPLC/UV, LC/MS/MS	Sheep or cattle plasma
Lamotrigine		HPLC/UV, LC/MS/MS	Human plasma
Lansoprazole		LC/MS/MS	Human plasma
Leflunomide	A771726	HPLC/UV, LC/MS/MS	Human plasma
Letrozole		LC/MS/MS	Human plasma
Lisinopril		LC/MS/MS	Human plasma
Loratadine	Descarboethoxyloratadine	LC/MS/MS	Human plasma
Losartan		LC/MS/MS	Human plasma
Medroxyprogesterone acetate		HPLC/UV, LC/MS/MS	Human plasma
Meloxicam		HPLC/UV, LC/MS/MS	Human plasma
Memantine		LC/MS/MS	Human plasma
Mercaptopurine-6		LC/MS/MS	Human plasma
Metformin		HPLC/UV, LC/MS/MS	Human plasma
Methycycline		HPLC/UV, LC/MS/MS	Human plasma
Metoprolol		LC/MS/MS	Human plasma
Mirtazapine	Desmethyilmirtazapine	HPLC/Flu, LC/MS/MS	Human plasma
Moclobemide		HPLC/UV, LC/MS/MS	Human plasma
Naloxone		LC/MS/MS	Human plasma
Naltrexone		LC/MS/MS	Human plasma
Naproxen		HPLC/Flu, LC/MS/MS	Human plasma
Nifedipine		HPLC/UV, LC/MS/MS	Human plasma
Norethindrone		LC/MS/MS	Human plasma
Norfloxacin		HPLC/Flu, LC/MS/MS	Human plasma
Omeprazole		LC/MS/MS	Human plasma
Ondansetron		HPLC/UV, LC/MS/MS	Human plasma
Oxycodone		LC/MS/MS	Human plasma
Oxprenolol		LC/MS/MS	Human plasma
Pamidronate		HPLC/Flu, LC/MS/MS	Human plasma
Pantoprazole		LC/MS/MS	Human plasma
Paroxetine		LC/MS/MS	Human plasma
Phenols		HPLC/UV, LC/MS/MS	Shellfish
Pindolol		LC/MS/MS	Human plasma
Piroxicam		HPLC/UV, LC/MS/MS	Human plasma
Pravastatin		HPLC/UV, LC/MS/MS	Human plasma
Prednisone		LC/MS/MS	Human plasma
Premipexole		LC/MS/MS	Human plasma
Propofol		HPLC/Flu, LC/MS/MS	Human plasma
Propranolol		LC/MS/MS	Human plasma
Quinapril	Quinaprilat	LC/MS/MS	Human plasma
Quinine sulphate		HPLC/Flu, LC/MS/MS	Human plasma
Ramipril	Ramiprilat	LC/MS/MS	Human plasma
Ranitidine		HPLC/UV, LC/MS/MS	Human plasma
Risperidone	9-hydroxy risperidone	LC/MS/MS	Human plasma
Roxithromycin		LC/MS/MS	Human plasma
Salicylamide		HPLC/UV, LC/MS/MS	Human plasma
Sertraline		LC/MS/MS	Human plasma
Simvastatin	Simvastatin acid	LC/MS/MS	Human plasma
Sotalol		LC/MS/MS	Human plasma
Sulphamethoxazole		HPLC/UV, LC/MS/MS	Human plasma
Sumatriptan		LC/MS/MS	Human plasma
Tamoxifen	N-desmethyl tamoxifen	HPLC/Flu, LC/MS/MS	Human plasma

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Tamsulosin		LC/MS/MS	Human plasma
Terbinafine		HPLC/UV, LC/MS/MS	Human plasma
Thymol		HPLC/Flu, LC/MS/MS	Human plasma
Ticlopidine		HPLC/UV, LC/MS/MS	Human plasma
Ticlopidine		LC/MS/MS	Human plasma
Timolol		LC/MS/MS	Human plasma
Tramadol	O-desmethyltramadol	HPLC/Flu, LC/MS/MS	Human plasma
Trazodone		HPLC/Flu, LC/MS/MS	Human plasma
Triamcinolone acetonide		HPLC/UV, LC/MS/MS	Human plasma
Trimethoprim		HPLC/UV, LC/MS/MS	Human plasma
Valaciclovir		LC/MS/MS	Human plasma
Venlafaxine	O-desmethylvenlafaxine	LC/MS/MS	Human plasma
Verapamil		HPLC/UV, LC/MS/MS	Human plasma
Warfarin		HPLC/UV, LC/MS/MS	Human plasma
Zolpidem		HPLC/Flu, LC/MS/MS	Human plasma