

ACCREDITED & VALIDATED BIOANALYTICAL METHOD (ISO 17025:2005)

| No | Compound | Method | LLOQ (ng/mL) |
|--|--|----------|--------------|
| ANTI ALLERGY | | | |
| 1 | Cetirizine | HPLC-UV | 10 |
| 2 | Fexofenadine | HPLC-UV | 10 |
| 3 | Loratadine | LC-MS/MS | 0.03 |
| 4 | Descarboethoxy loratadine (metabolite) | LC-MS/MS | 0.1 |
| 5 | Triprolidine | LC-MS/MS | 0.2 |
| ANTIBIOTIC, ANTIMALARIA, & ANTIFUNGAL | | | |
| 6 | Amoxicillin | HPLC-UV | 100 |
| 7 | Azithromycin | LC-MS/MS | 1 |
| 8 | Cefadroxil | HPLC-UV | 90 |
| 9 | Cefdinir | HPLC-UV | 10 |
| 10 | Cefixime | HPLC-UV | 50 |
| 11 | Cefuroxime | HPLC-UV | 100 |
| 12 | Cephalexin | HPLC-UV | 900 |
| 13 | Ciprofloxacin | HPLC-UV | 40 |
| 14 | Clavulanic Acid | LC-MS/MS | 20 |
| 15 | Dihydro arthemisinin | LC-MS/MS | 0.5 |
| 16 | Doxycycline | HPLC-UV | 100 |
| 17 | Ethambutol | LC-MS/MS | 40 |
| 18 | Fluconazole | HPLC-UV | 50 |
| 19 | Isoniazid | LC-MS/MS | 100 |
| 20 | Itraconazole | LC-MS/MS | 1 |
| 21 | Ketoconazole | HPLC-UV | 100 |
| 22 | Levofloxacin | HPLC-UV | 50 |
| 23 | Minocycline | HPLC-UV | 50 |
| 24 | Moxifloxacin | HPLC-UV | 20 |
| 25 | Ofloxacin | HPLC-UV | 100 |
| 26 | Piperaquine | LC-MS/MS | 1 |
| 27 | Pyrazinamide | LC-MS/MS | 500 |
| 28 | Rifampicin (parent compound) | LC-MS/MS | 80 |
| 29 | 25-desacetyl rifampicin (metabolite) | HPLC-UV | 50 |
| ANTIDIABETIC ORAL | | | |
| 30 | Glibenclamide | HPLC-UV | 10 |
| 31 | Gliclazide | HPLC-UV | 80 |
| 32 | Glimepiride | HPLC-UV | 5 |
| 33 | Glipizide | HPLC-UV | 20 |
| 34 | Gliquidone | HPLC-UV | 10 |
| 35 | Metformin | HPLC-UV | 10 |
| 36 | Pioglitazone | HPLC-UV | 90 |
| 37 | Repaglinide | LC-MS/MS | 0.2 |
| 38 | Vildagliptin | LC-MS/MS | 2 |
| ANTIHYPERLIPIDEMIC | | | |
| 39 | Atorvastatin (parent compound) | LC-MS/MS | 0.1 |
| 40 | ortho-hydroxy atorvastatin (metabolite 1) | LC-MS/MS | 0.1 |
| 41 | para-hydroxy atorvastatin (metabolite 2) | LC-MS/MS | 0.05 |
| 42 | Ezetimibe (unconjugated) | LC-MS/MS | 0.1 |
| 43 | Ezetimibe glucuronide (total) | LC-MS/MS | 3 |
| 44 | Fenofibric acid (Fenofibrate's metabolite) | HPLC-UV | 100 |

| No | Compound | Method | LLOQ (ng/mL) |
|---|--|----------|--------------|
| 45 | Lovastatin | LC-MS/MS | 0.08 |
| 46 | Lovastatin acid (Lovastatin's metabolite) | LC-MS/MS | 0.2 |
| 47 | Pitavastatin | LC-MS/MS | 1 |
| 48 | Rosuvastatin | LC-MS/MS | 0.5 |
| 49 | Simvastatin | LC-MS/MS | 0.05 |
| ANTIINFLAMATORY, ANALGESICS, ANTIPYRETICS & ANTITUSIVE | | | |
| 50 | Asetysalicylic Acid | HPLC-UV | 25 |
| 51 | Diclofenac | HPLC-UV | 20 |
| 52 | Etoricoxib | HPLC-UV | 5 |
| 53 | Ketoprofen | HPLC-UV | 50 |
| 54 | Naproxen | HPLC-UV | 500 |
| 55 | Rhein (Diacerein's metabolite) | HPLC-UV | 200 |
| 56 | Tinoridin | LC-MS/MS | 0.2 |
| ANTIOSTEOPOROSIS | | | |
| 57 | Alendronat (in urine) | HPLC-FL | 5 |
| 58 | Risedronate (in urine) | HPLC-UV | 20 |
| ANTIPLATELET | | | |
| 59 | Cilostazol | LC-MS/MS | 15 |
| ANTIVIRAL | | | |
| 60 | Acyclovir | LC-MS/MS | 20 |
| 61 | Efavirenz | HPLC-UV | 100 |
| 62 | Lamivudine | HPLC-UV | 25 |
| 63 | Oseltamivir Acid | LC-MS/MS | 10 |
| 64 | Oseltamivir Phosphate | LC-MS/MS | 1 |
| 65 | Stavudine | HPLC-UV | 30 |
| 66 | Tenofovir | LC-MS/MS | 5 |
| 67 | Zidovudine | HPLC-UV | 20 |
| ANTIVERTIGO | | | |
| 68 | 2-pyridil acetic acid (Betahistine's metabolite) | LC-MS/MS | 10 |
| 69 | Flunarizine | LC-MS/MS | 1 |
| CARDIOVASCULAR & DIURETIC DRUGS | | | |
| 70 | Amlodipine | LC-MS/MS | 0.05 |
| 71 | Atenolol | LC-MS/MS | 5 |
| 72 | Bisoprolol | LC-MS/MS | 0.4 |
| 73 | Candesartan | LC-MS/MS | 0.5 |
| 74 | Carvedilol | HPLC-FL | 5 |
| 75 | Captopril | HPLC-UV | 10 |
| 76 | Clopidogrel (parent compound) | LC-MS/MS | 0.02 |
| 77 | Clopidogrel carboxylic acid (metabolite) | LC-MS/MS | 22 |
| 78 | Diltiazem | HPLC-UV | 5 |
| 79 | Dipyridamole | HPLC-UV | 10 |
| 80 | Felodipine | LC-MS/MS | 0.2 |
| 81 | Hydrochlorthiazide | HPLC-UV | 10 |
| 82 | Irbesartan | HPLC-FL | 25 |
| 83 | Lercanidipine | LC-MS/MS | 0.05 |
| 84 | Lisinopril | LC-MS/MS | 1 |
| 85 | Losartan (parent compound) | HPLC-FL | 10 |
| 86 | Losartan carboxylic acid (metabolite) | HPLC-FL | 2.5 |
| 87 | Metoprolol | HPLC-FL | 5 |
| 88 | Nebivolol | LC-MS/MS | 0.03 |

| No | Compound | Method | LLOQ (ng/mL) |
|--|--|----------|--------------|
| 89 | Nifedipine | LC-MS/MS | 1 |
| 90 | Perindopril (parent compound) | LC-MS/MS | 0.5 |
| 91 | Perindoprilat (metabolite) | LC-MS/MS | 0.5 |
| 92 | Ramipril (parent compound) | LC-MS/MS | 0.3 |
| 93 | Ramiprilate (metabolite) | LC-MS/MS | 0.5 |
| 94 | Salicylic acid | HPLC-UV | 500 |
| 95 | Spirolactone (parent compound) | HPLC-UV | 4 |
| 96 | Telmisartan | LC-MS/MS | 4 |
| 97 | Canrenone (Spirolactone's metabolite) | HPLC-UV | 2.5 |
| 98 | Valsartan | HPLC-FL | 50 |
| 99 | Warfarin | LC-MS/MS | 5 |
| CORTICOSTEROID, HORMONES & CONTRACEPTIVES | | | |
| 100 | Cyproterone Acetate | LC-MS/MS | 0.5 |
| 101 | 17-β-Estradiol | LC-MS/MS | 0.01 |
| 102 | Ethinyl estradiol | LC-MS/MS | 0.007 |
| 103 | Etonogestrel / 3-ketodesogestrel | LC-MS/MS | 0.1 |
| 104 | Levonorgestrel | LC-MS/MS | 0.05 |
| 105 | Medroxyprogesterone acetate | LC-MS/MS | 0.05 |
| 106 | Methylprednisolone | LC-MS/MS | 1 |
| DRUG ACTING ON CENTRAL NERVOUS SYSTEM | | | |
| 107 | Alprazolam | LC-MS/MS | 0.4 |
| 108 | Aripiprazole | LC-MS/MS | 2 |
| 109 | Clozapine | LC-MS/MS | 1 |
| 110 | Donepezil | LC-MS/MS | 0.1 |
| 111 | Gabapentin | LC-MS/MS | 50 |
| 112 | Galantamine | LC-MS/MS | 0.4 |
| 113 | Levetiracetam | HPLC-UV | 500 |
| 114 | Memantine | LC-MS/MS | 1 |
| 115 | Olanzapine | LC-MS/MS | 0.2 |
| 116 | Pramipexole | LC-MS/MS | 0.02 |
| 117 | Pregabalin | LC-MS/MS | 10 |
| 118 | Risperidone | LC-MS/MS | 0.1 |
| 119 | Valproic acid (Divalproex sodium's metabolite) | LC-MS/MS | 200 |
| DRUG ACTING ON GASTROINTESTINAL SYSTEM | | | |
| 120 | Domperidone | LC-MS/MS | 0.2 |
| 121 | Esomeprazole | LC-MS/MS | 5 |
| 122 | Famotidine | LC-MS/MS | 1 |
| 123 | Granisetron | LC-MS/MS | 0.2 |
| 124 | Lansoprazole | HPLC-UV | 20 |
| 125 | Metoclopramide | LC-MS/MS | 1 |
| 126 | Omeprazole | LC-MS/MS | 2 |
| 127 | Pantoprazole | LC-MS/MS | 150 |
| 128 | Rebamipide | HPLC-UV | 5 |
| DRUG ACTING ON RESPIRATORY SYSTEM | | | |
| 129 | Dextromethorphan | LC-MS/MS | 1 |
| 130 | Erdosteine | LC-MS/MS | 25 |
| 131 | Erdosteine M1 (metabolite) | LC-MS/MS | 10 |
| 132 | Pseudoephedrine | LC-MS/MS | 0.01 |
| 133 | Roflumilast | LC-MS/MS | 0.1 |
| 134 | Theophylline | HPLC-UV | 200 |

| No | Compound | Method | LLOQ (ng/mL) |
|--|--|----------|--------------|
| DRUG FOR BLADDER & PROSTATE DISORDERS | | | |
| 135 | Terazosin | LC-MS/MS | 1 |
| DRUG FOR ERECTILE DYSFUNCTION | | | |
| 136 | Sildenafil | LC-MS/MS | 4 |
| 137 | Piperazine-N-desmethylsildenafil (met) | LC-MS/MS | 4 |
| DRUG FOR PARKINSON'S DISEASE | | | |
| 138 | Carbidopa | LC-MS/MS | 5 |
| DRUG FOR RHEUMATOID ARTHRITIS | | | |
| 139 | Febuxostat | LC-MS/MS | 100 |
| IMMUNOSUPPRESSANT | | | |
| 140 | Mycophenolic Acid | LC-MS/MS | 10 |

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IDENTIFIED BIOANALYTICAL METHOD

| No | Compound | Method | LLOQ (ng/mL) |
|----|--|----------|--------------|
| 1 | Drospirenone | LC-MS/MS | 2 |
| 2 | Entacapone | LC-MS/MS | 50 |
| 3 | Ibuprofen | HPLC-UV | 200 |
| 4 | Isosorbide-5-mononitrate | LC-MS/MS | 5 |
| 5 | Levocetirizine | HPLC-UV | 15 |
| 6 | Levodopa | LC-MS/MS | 50 |
| 7 | Mesalazine | LC-MS/MS | 5 |
| 8 | N-didesmethyl sibutramine (Sibutramine's metabolite) | LC-MS/MS | 0 |
| 9 | Sibutramine | LC-MS/MS | 0 |
| 10 | Zolpidem | LC-MS/MS | 5 |
| 11 | Deferiprone | HPLC-UV | 250 |

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