

## LIST OF **BIOANALYTICAL** METHODS

*Updated* : April- 2010

| COMPOUND  | TECHNIQUE            | LLOQ                | MATRIX         |
|---|----------------------|---------------------|----------------|
| Acyclovir   | LC-MS/MS             | 1 ng/mL             | Plasma         |
| 5-Aminosalicylic acid (mesalazine) and N-acetyl-5-aminosalicylic acid | HPLC-FL and LC-MS/MS | 50 and 10 ng/mL     | Plasma         |
| Amlodipine  | LC-MS/MS             | 0.1 ng/mL           | Plasma         |
| Amoxicillin   | LC-MS/MS             | 25 ng/mL            | Plasma         |
| Amoxicillin   | LC-MS/MS             | Dependent on matrix | Animal tissues |
| Ampicillin  | LC-MS/MS             | Dependent on matrix | Animal tissues |
| Azithromycin  | LC-MS/MS             | 10 ng/mL            | Plasma         |
| Cefadroxil  | HPLC-UV              | 5 µg/mL             | Plasma         |
| Cetirizine  | LC-MS/MS             | 1 ng/mL             | Plasma         |
| Ciprofloxacin   | LC-MS/MS             | 50 ng/mL            | Plasma         |
| Citalopram and desmethylcitalopram                                    | LC-MS/MS             | 1 / 0.5 ng/mL       | Plasma         |
| Clavulanic acid   | LC-MS/MS             | 10 ng/mL            | Plasma         |
| Cloasantel  | LC-MS/MS             | 1 µg/mL             | Animal Plasma  |
| Clozapine   | LC-MS/MS             | 1 ng/mL             | Plasma         |
| Colistin  | LC-MS/MS             | Dependent on matrix | Animal tissues |
| Dexamethasone   | LC-MS/MS             | Dependent on matrix | Animal tissues |
| Dextromethorphan and dextrorphan                                      | LC-MS/MS             | 1 ng/mL             | Urine          |
| Ebastine and Carebastine  | LC-MS/MS             | 0.05 / 1 ng/mL      | Plasma         |
| Eberconazole  | LC-MS/MS             | 1 ng/mL             | Plasma         |
| Enalapril and enalaprilate  | LC-MS/MS             | 0.5 ng/mL           | Plasma         |
| Equol   | LC-MS/MS             | 5 ng/mL             | Plasma         |
| Erythromycin  | LC-MS/MS             | 15 ng/mL            | Plasma         |
| Estradiol   | RIA                  | 5 pg/mL             | Serum          |
| Famotidine  | LC-MS/MS             | 1 ng/mL             | Plasma         |
| Finasteride   | LC-MS/MS             | 0.5 ng/mL           | Plasma         |
| Fluconazole   | HPLC-UV              | 0.1 µg/mL           | Plasma         |

| COMPOUND                                 | TECHNIQUE             | LLOQ         | MATRIX |
|--|-----------------------|--------------|--------|
| Flunarizine                              | LC-MS/MS              | 0.15 ng/mL   | Plasma |
| Fluoxetine                               | LC-MS/MS              | 0.2 ng/mL    | Plasma |
| Furosemide                               | LC-MS/MS              | 25 ng/mL     | Plasma |
| HTB (trifusal metabolite)                | LC-MS/MS              | 0.5 µg/mL    | Plasma |
| Hydrochlorothiazide                      | LC-MS/MS              | 2 ng/mL      | Plasma |
| Ibuprofen                                | LC-MS/MS              | 0.1 µg/mL    | Plasma |
| Interferon (alpha)                       | ELISA                 | 15.63 pg/mL  | Plasma |
| Iron                                     | Photometric detection | 10 µg/dL     | Serum  |
| Isoniazid/ N-acetylisoniazid             | LC-MS/MS              | 0.1 µg/mL    | Plasma |
| Ketorolac                                | LC-MS/MS              | 10 ng/mL     | Plasma |
| Lansoprazole                             | LC-MS/MS              | 1 ng/mL      | Plasma |
| Levetiracetam                            | LC-MS/MS              | 0.1 µg/mL    | Plasma |
| Lisinopril                               | LC-MS/MS              | 0.25 ng/mL   | Plasma |
| Loperamide                               | LC-MS/MS              | 0.1 ng/mL    | Plasma |
| Loratadine and descarboetoxyloratadine   | LC-MS/MS              | 0.1 ng/mL    | Plasma |
| Losartan and Losartan carboxy acid       | LC-MS/MS              | 4 ng/mL      | Plasma |
| Medroxyprogesterone acetate              | LC-MS/MS              | 0.025 ng/mL  | Plasma |
| Nitrendipine                             | LC-MS/MS              | 0.1 ng/mL    | Plasma |
| Norfloxacin                              | LC-MS/MS              | 50 ng/mL     | Plasma |
| Olanzapine                               | LC-MS/MS              | 0.1 ng/mL    | Plasma |
| Omeprazole and 5-hydroxyomeprazole       | LC-MS/MS              | 1 / 25 ng/mL | Plasma |
| Ondansetron                              | LC-MS/MS              | 2 ng/mL      | Plasma |
| Paracetamol                              | HPLC-UV               | 0.2 µg/mL    | Plasma |
| Pentoxifylline and hydroxypentoxifylline | LC-MS/MS              | 5 ng/mL      | Plasma |
| Quetiapine                               | LC-MS/MS              | 0.5 ng/mL    | Plasma |
| Ranitidine                               | LC-MS/MS              | 5 ng/mL      | Plasma |
| Ribavirin                                | LC-MS/MS              | 50 ng/mL     | Plasma |
| Risperidone and 9-hydroxy-risperidone    | LC-MS/MS              | 0.1 ng/mL    | Plasma |

| COMPOUND                                | TECHNIQUE | LLOQ      | MATRIX |
|---|-----------|-----------|--------|
| Rupatadine and metabolites              | LC-MS/MS  | 0.1 ng/mL | Plasma |
| Sumatriptan                             | LC-MS/MS  | 0.2 ng/mL | Plasma |
| Thyroxine                               | RIA       | 1 µg/dL   | Serum  |
| Triiodothyronine                        | RIA       | 0.2 ng/mL | Serum  |
| Torasemide                              | LC-MS/MS  | 1 ng/mL   | Plasma |
| Tramadol                                | LC-MS/MS  | 2 ng/mL   | Plasma |
| Valsartan                               | LC-MS/MS  | 5 ng/mL   | Plasma |
| Venlafaxine and O-Desmethyl-venlafaxine | LC-MS/MS  | 1 ng/mL   | Plasma |
| Zolpidem                                | LC-MS/MS  | 0.5 ng/mL | Plasma |

## BIOANALYTICAL METHODS IN PROCESS OF VALIDATION

| COMPOUND                 | TECHNIQUE | MATRIX         |
|--------------------------|-----------|----------------|
| Febendazol               | LC-MS/MS  | Animal tissues |
| Mebendazol               | LC-MS/MS  | Animal Plasma  |
| Montelukast              | LC-MS/MS  | Plasma         |
| Ramipril and Ramiprilate | LC-MS/MS  | Plasma         |