

| Drugs                                | Commercial name              | Abbreviation | Class           | Illness   | Routine | Response Days | Matrix | Alternative Matrix |
|--------------------------------------|------------------------------|--------------|-----------------|-----------|---------|---------------|--------|--------------------|
| Abacavir                             | Ziagen, Kivexa (o Epzicom),  | ABC          | NRTIs           | HIV       | X       | 5             | Plasma |                    |
| Adefovir                             | Hepsera                      | ADF          | Nuc             | HBV       | X       | 5             | Plasma |                    |
| Amikacin                             | Amikacina Teva               | AMK          | Antibiotics     | Infection |         |               | Plasma |                    |
| Amphotericin-B                       | Amphotericin-B, Fungilin     | AMB          | Antibiotics     | Infection | X       | 5             | Plasma |                    |
| Amprenavir                           | Agenerase                    | APV          | Pis             | HIV       | X       | 5             | Plasma | PBMC/DSSD          |
| Anidulafungin                        | Ecalta                       | ANID         | Antifungals     | Infection | X       | 5             | Plasma |                    |
| Atazanavir                           | Reyataz                      | ATV          | Pis             | HIV       | X       | 5             | Plasma | PBMC/DSSD          |
| Azathioprine (6-Metilmercaptinosine) | Immuniprin, Azafor           | 6-MMI        | Nuc             | Chron     | X       | 10            | Plasma | PBMC               |
| Azathioprine (6-Tioguanosine)        | Immuniprin, Azafor           | 6-TG         | Nuc             | Chron     | X       | 10            | Plasma | PBMC               |
| Boceprevir                           | Victrelis                    | BOC          | DAAs            | HCV       |         |               | Plasma | PBMC               |
| Caspofungin                          | Caspofungin, Cancidas        | CASP         | Antifungals     | Infection | X       | 5             | Plasma |                    |
| Ceftaroline                          | Ceftaroline Fosamil, Teflaro | CFTR         | Antibiotics     | Infection | X       | 5             | Plasma |                    |
| Ceftazidime                          | Glazidim, Spectrum           | CFZD         | Antibiotics     | Infection | X       | 5             | Plasma |                    |
| Ceftobiprole                         | Zevtera                      | CEFTO        | Antibiotics     | Infection | X       | 5             | Plasma |                    |
| Ceftriaxone                          | Rocefin                      | CFTX         | Antibiotics     | Infection | X       | 5             | Plasma |                    |
| Ciprofloxacin                        | Ciprofloxacin                | CIPRO        | Antibiotics     | Infection | X       | 5             | Plasma |                    |
| Cobicistat                           | Tybost/Stribild              | CBT          | Booster         | HIV       | X       | 5             | Plasma | PBMC/DSSD          |
| Colistin (polymyxin E)               | Colimicina                   | COLI         | Antibiotics     | Infection | X       | 5             | Plasma |                    |
| Daclatasvir                          | Daklinea                     | DAC          | DAAs            | HCV       | X       | 5             | Plasma | PBMC/DSSD          |
| Daptomycin                           | Cubicin                      | DAPTO        | Antibiotics     | Infection | X       | 5             | Plasma |                    |
| Darunavir                            | Prezista                     | DRV          | Pis             | HIV       | X       | 5             | Plasma | PBMC/DSSD          |
| Dasabuvir                            | Exviera                      | DBV          | DAAs            | HCV       | X       | 5             | Plasma | PBMC               |
| Dasatinib                            | Sprycel                      | DAS          | TKIs            | Leukemia  | X       | 10            | Plasma | DSSD               |
| Didanosine                           | Videx                        | ddI          | NRTIs           | HIV       | X       | 5             | Plasma | PBMC               |
| Dolutegravir                         | Tivicay                      | DLG          | Is              | HIV       | X       | 5             | Plasma | PBMC/DSSD          |
| Doripenem                            | Doribax                      | DRP          | Antibiotics     | Infection |         |               | Plasma |                    |
| Doxorubicin                          | Caelix, Doxorubicin          | DOX          | Onco            | Onco      |         |               | Plasma | PBMC               |
| Efavirenz                            | Sustiva                      | EFV          | NNRTIs          | HIV       | X       | 5             | Plasma | PBMC/DSSD          |
| Elvitegravir                         | Vitekta/Stribild             | ELV/EVG      | Is              | HIV       | X       | 5             | Plasma | PBMC/DSSD          |
| Emtricitabine                        | Emtriva, Truvada             | FTC          | NRTIs           | HIV       | X       | 5             | Plasma |                    |
| Enfuvirtide                          | Fuzeon                       | T-20         | IF              | HIV       | X       | 5             | Plasma |                    |
| Entecavir                            | Baraclude                    | ETC          | Nuc             | HBV       | X       | 10            | Plasma |                    |
| Ertapenem                            | Ertapenem, Invanz            | ERP          | Antibiotics     | Infection | X       | 5             | Plasma | PBMC               |
| Ethambutol                           | Etapiam                      | EMB          | Antituberculars | TBC       | X       | 5             | Plasma | PBMC               |

|                      |                                                   |              |                                  |            |   |    |        |           |
|----------------------|---------------------------------------------------|--------------|----------------------------------|------------|---|----|--------|-----------|
| Etravirine           | Intelence                                         | ETV          | NNRTIs                           | HIV        | X | 5  | Plasma | PBMC/DSSD |
| Everolimus           | Afinitor                                          | EVE          | Immuno                           | Transplant |   |    |        | PBMC      |
| Fluconazole          | Diflucan, Elazor, Flukimex                        | FLU          | Antifungal                       | Infection  | X | 5  | Plasma |           |
| FK-506, Tacrolimus   | Advagraf                                          | TAC          | Immuno                           | Transplant |   |    |        | PBMC      |
| Fosamprenavir        | Telzir                                            | fosAPV o APV | Pis                              | HIV        | X | 5  | Plasma | PBMC/DSSD |
| Fropenem             | Fropenem                                          | FRP          | Antibiotics                      | Infection  |   |    | Plasma |           |
| Ganciclovir          | Citovirax                                         | GVC          | Antiviral                        | Infection  | X | 5  | Plasma |           |
| Gentamicin           | Gentalyn, Gentalyn Beta                           | GET          | Antibiotics                      | Infection  |   |    | Plasma | PBMC      |
| Hypericin            | Hypericum (Saint John's wort)                     | IPN          | dopamine β-hydroxylase inhibitor |            |   |    | Plasma | PBMC      |
| Imatinib             | Glyvec                                            | IM           | TKIs                             | Leukemia   | X | 10 | Plasma | DSSD      |
| Imipenem             | Imipenem                                          | IMP          | Antibiotics                      | Infection  |   | 5  | Plasma | PBMC      |
| Indinavir            | Crixivan                                          | IDV          | Pis                              | HIV        | X | 5  | Plasma | PBMC      |
| Isavuconazole        | Cresemba                                          | ISV          | Antifungals                      | Infection  | X | 5  | Plasma |           |
| Isoniazid            | Nicosid                                           | INH          | Antituberculars                  | TBC        | X | 5  | Plasma |           |
| Itraconazole         | Triasporin, SPORANOX                              | ITC          | Antifungals                      | Infection  | X | 5  | Plasma | DSSD      |
| Lamivudine           | Epivir, Kivexa (o Epzicom),<br>Trizivir, Combivir | 3TC          | NRTIs                            | HIV        | X | 5  | Plasma |           |
| Ledipasvir           | Harvoni                                           | LDV          | DAAs                             | HCV        | X | 5  | Plasma | PBMC      |
| Levofloxacin         | Levoxacin, Tavanic                                | LEVO         | Antibiotics                      | Infection  | X | 5  | Plasma |           |
| Linezolid            | Linezolid, Zyvox                                  | LZD          | Antibiotics                      | Infection  | X | 5  | Plasma | PBMC      |
| Lopinavir            | Kaletra                                           | LPV          | Pis                              | HIV        | X | 5  | Plasma | PBMC/DSSD |
| Maraviroc            | Selzentry, Celsentri                              | MVC          | CCR5I                            | HIV        | X | 5  | Plasma | PBMC/DSSD |
| Meropenem            | Meropenem                                         | MRP          | Antibiotics                      | Infection  | X | 5  | Plasma |           |
| Moxifloxacin         | Avalox                                            | MOXI         | Antibiotics                      | Infection  | X | 5  | Plasma | PBMC      |
| N-Desmetil-Imatinib  | N-Desmetil-Imatinib                               | DES-IM       | TKIs                             | Leukemia   | X | 10 | Plasma | DSSD      |
| N-desmetilsildenafil | Viagra, Revatio                                   | N-DESM-SIL   | PDE inhibitor                    | PAH        |   |    | Plasma | PBMC      |
| Nelfinavir           | Viracept                                          | NFV          | Pis                              | HIV        | X | 5  | Plasma | PBMC/DSSD |
| Nevirapine           | Viramune                                          | NVP          | NNRTIs                           | HIV        | X | 5  | Plasma | PBMC/DSSD |
| Nilotinib            | Tasigna                                           | NIL          | TKIs                             | Leukemia   | X | 10 | Plasma | DSSD      |
| Ombitasvir           | Viekirax                                          | OMB          | DAAs                             | HCV        | X | 5  | Plasma | PBMC      |
| Paritaprevir         | Viekirax                                          | PAR          | DAAs                             | HCV        | X | 5  | Plasma | PBMC      |
| Ponatinib            | Iclusig                                           | PON          | TKIs                             | Leukemia   | X | 10 | Plasma | PBMC/DSSD |
| Posaconazole         | Posaconazolo, Noxafil                             | PSC          | Antifungals                      | Infection  | X | 5  | Plasma | PBMC/DSSD |
| Pyrazinamide         | Piraldina                                         | PZA          | Antituberculars                  | TBC        | X | 5  | Plasma | PBMC      |
| Raltegravir          | sentress                                          | RGV          | Iis                              | HIV        | X | 5  | Plasma | PBMC/DSSD |
| Ribavirine           | Rebetol                                           | RBV          | No-DAAs                          | HCV        | X | 5  | Plasma | PBMC      |
| Rifabutin            | Crixivan                                          | RFB          | Antituberculars                  | TBC        | X | 5  | Plasma | PBMC      |

|                     |                                                                          |                  |                                                        |              |   |   |        |            |
|---------------------|--------------------------------------------------------------------------|------------------|--------------------------------------------------------|--------------|---|---|--------|------------|
| Rifampicin          | <i>Rifadin</i>                                                           | <b>RFP</b>       | Antituberculars                                        | TBC          | X | 5 | Plasma |            |
| Rilpivirine         | <i>Edurant</i>                                                           | <b>RPV</b>       | NNRTIs                                                 | HIV          | X | 5 | Plasma | PBMC       |
| Ritonavir           | <i>Norvir, Kaletra</i>                                                   | <b>RTV</b>       | Pis                                                    | HIV          | X | 5 | Plasma | PBMC/DSSD  |
| Saquinavir          | <i>Invirase</i>                                                          | <b>SQV</b>       | Pis                                                    | HIV          | X | 5 | Plasma | PBMC/DSSD  |
| Sildenafil          | <i>Viagra, Revatio</i>                                                   | <b>SIL</b>       | PDE inhibitor                                          | PAH          |   |   | Plasma |            |
| Simeprevir          | <i>Olysio</i>                                                            | <b>SIM</b>       | DAAs                                                   | HCV          | X | 5 | Plasma |            |
| Sofosbuvir          | <i>Sovaldi</i>                                                           | <b>SOF</b>       | DAAs                                                   | HCV          | X | 5 | Plasma | PBMC       |
| Sofosbuvir Metab    | <i>GS 331007</i>                                                         | <b>GS-SOF</b>    | DAAs                                                   | HCV          | X | 5 | Plasma | PBMC       |
| Stavudina           | <i>Zerit, Kivexa (o Epzicom)</i>                                         | <b>d4T</b>       | NRTIs                                                  | HIV          | X | 5 | Plasma | PBMC/urine |
| Teicoplanin         | <i>Targosid</i>                                                          | <b>TEC</b>       | Antibiotics                                            | Infection    |   |   | Plasma |            |
| Telaprevir          | <i>Incivo</i>                                                            | <b>TEL</b>       | DAAs                                                   | HCV          |   |   | Plasma | PBMC       |
| Telbivudina         | <i>Sebivo</i>                                                            | <b>TBV</b>       | Nuc                                                    | HBV          | X | 5 | Plasma |            |
| Tenofovir           | <i>Viread, Truvada</i>                                                   | <b>TDF</b>       | NRTIs                                                  | HIV          | X | 5 | Plasma |            |
| Tigecycline         | <i>Tigecycline, Tigacyl</i>                                              | <b>TIGE</b>      | Antibiotics                                            | Infection    | X | 5 | Plasma |            |
| Tipranavir          | <i>Aptivus</i>                                                           | <b>TPV</b>       | Pis                                                    | HIV          | X | 5 | Plasma |            |
| Vancomycin          | <i>Vancomycin</i>                                                        | <b>VAC</b>       | Antibiotics                                            | Infection    |   |   | Plasma |            |
| Vinblastine         | <i>Velbe</i>                                                             | <b>VBL</b>       | Onco                                                   | Onco         |   |   | Plasma |            |
| Vincristine         | <i>Vincristine, Oncovin</i>                                              | <b>VCR</b>       | Onco                                                   | Onco         |   |   | Plasma |            |
| Voriconazole        | <i>Voriconazolo, Vfend</i>                                               | <b>VRC</b>       | Antifungals                                            | Infection    | X | 5 | Plasma | PBMC/DSSD  |
| Zidovudina          | <i>Retrovir, Trizivir, Combivir</i>                                      | <b>AZT o ZDV</b> | NRTIs                                                  | HIV          | X | 5 | Plasma |            |
| Atenolol            | <i>e.g.: Atenol, Tenormin, Carmian, Clortanol, Tenoretic, Normopress</i> | <b>ATE</b>       | Antihypertensive (β-blocker)                           | Hypertension | X | 5 | Plasma | Urine      |
| Clonidine           | <i>e.g.: Catapresan</i>                                                  | <b>CLN</b>       | Antihypertensive (α2-agonist)                          | Hypertension | X | 5 | Plasma | Urine      |
| Doxazosin           | <i>e.g.: Cardura, Noradox, Normothen, Saidox</i>                         | <b>DOX</b>       | Antihypertensive (α1-antagonist)                       | Hypertension | X | 5 | Plasma | Urine      |
| Amlodipine          | <i>e.g.: Abis, Losedin, Makadip, Norvasc, Bivis, Duotens</i>             | <b>AML</b>       | Antihypertensive (Calcium antagonist)                  | Hypertension | X | 5 | Plasma | Urine      |
| Nifedipine          | <i>e.g.: Adalat, Amarkor, Coral, Nifedikor, Antrolin</i>                 | <b>NFD</b>       | Antihypertensive (Calcium antagonist)                  | Hypertension | X | 5 | Plasma | Urine      |
| Chlortalidone       | <i>e.g.: Igroton, Eupres, Target, Tenoretic</i>                          | <b>CHL</b>       | Antihypertensive (Diuretic)                            | Hypertension | X | 5 | Plasma | Urine      |
| Hydrochlorothiazide | <i>e.g.: Esidrex, Moduretic, Losazid, Olprezide, Micardisplus,</i>       | <b>HCTZ</b>      | Antihypertensive (Diuretic)                            | Hypertension | X | 5 | Plasma | Urine      |
| Ramipril            | <i>e.g.: Norapril, Ramicor, Triatec, Icomb, Triamlo</i>                  | <b>RAM</b>       | Antihypertensive (ACE-inhibitor)                       | Hypertension | X | 5 | Plasma | Urine      |
| Olmesartan          | <i>e.g.: Olmetec, Olpress, Bivis, Olprezide</i>                          | <b>OLM</b>       | Antihypertensive (Sartan/angiotensin-receptor blocker) | Hypertension | X | 5 | Plasma | Urine      |

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|---------------------------------------------------|-----------------------------------------------------|------|-----------------------------------------------------------|--------------|---|---|--------|-------|
| Telmisartan<br><br>TMAO<br>Choline<br>L-Carnitine | <i>e.g.: Micardis, Pritor, Tolura, Micardisplus</i> | TEL  | Antihypertensive<br>(Sartan/angiotensin-receptor blocker) | Hypertension | X | 5 | Plasma | Urine |
|                                                   | <                                                   | TMAO | Endogen compound                                          | <            |   |   | Plasma | Urine |
|                                                   | <                                                   | <    | Endogen compound                                          | <            |   |   | Plasma | Urine |
|                                                   | <                                                   | <    | Endogen compound                                          | <            |   |   | Plasma | Urine |