

## Pharmacogenomics Test Requisition Form

### Ordering Physician/Laboratory

(Required: Include the ordering physician's first & last name, NPI, practice name, complete address, phone number and fax number.)

Physician to receive additional result report:

Physician's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

### Specimen Information

Date Collected (Required): \_\_\_\_\_ Specimen Type:  Whole Blood  Saliva

### Confirmation of Informed Consent and Medical Necessity for Pharmacogenomic Genetic Testing

My signature below acknowledges the patient has been informed about the purpose, limitation and possible risks of genetic testing. The patient has been given the opportunity to ask questions about this consent and seek outside genetic counseling.

If the genetic testing is covered by the patient's health plan and the out-of-pocket expense is less than \$150.00, testing will proceed without further delay or additional contact. The patient's signed informed consent is being provided with this requisition. I confirm that this testing is medically necessary for the specified patient and that these results will be used in the medical management and treatment decisions for this patient.

Medical Professional Signature (Req.): \_\_\_\_\_ Date: \_\_\_\_\_

### Cardiology

- 3108  **Antiarrhythmics** - Flecainide, Propafenone
- 3103  **Anticlotting Agents** - Acenocoumarol, Edoxaban, Fluindione, Phenprocoumon, Warfarin
- 3109  **Antihypertensives** - Benazepril, Debrisoquine, Enalapril, Irbesartan, Lofexidine, Losartan, Olmesartan, Selixipag, Verapamil
- 3101  **Antiplatelet Agents** - Aspirin, Cilostazol, Clopidogrel, Prasugrel, Ticagrelor
- 3106  **Beta Blockers** - Bufuralol, Carvedilol, Ivabradine, Metoprolol, Propranolol, Talinolol, Timolol
- 3105  **Calcium Channel Blockers** - Amlodipine, Nifedipine
- 3107  **Congestive Heart Failure** - Digoxin
- 3110  **Other Cardiac Conditions** - Mavacamten
- 3102  **Statins** - Atorvastatin, Fluvastatin, Lovastatin, Pitavastatin, Pravastatin, Rosuvastatin, Simvastatin
- 3104  **Thrombophilia** - Susceptibility to Factor II, Factor V Leiden

### Pain Management

- 3203  **Migraine** - Atogepant, Ibuprofen, Rimegepant, Ubrogapant
- 3201  **Pain Management - General** - Alfentanil, Atogepant, Buprenorphine, Codeine, Elagolix, Fentanyl, Hydrocodone, Ibuprofen, Ketamine, Lomoxicam, Methadone, Morphine, Oliceridine, Opioids, Oxycodone, Rimegepant, Sumatriptan, Tramadol, Ubrogapant
- 3202  **Sedatives & Relaxants, including muscle relaxants** - Carisoprodol, Dextromethorphan, Midazolam, Propofol, Rocuronium, Tolperisone

### Malignant Disease

- 3301  **Alkaloids** - Vincristine
- 3302  **Alkylating Agents** - Cyclophosphamide
- 3304  **Anthracyclines** - Anthracyclines (gen), Doxorubicin, Epirubicin, Idarubicin
- 3311  **Antimetabolics** - Alprazolam, Dolasetron, Fosnetupitant, Granisetron, Ondansetron, Palonosetron, Rolapitant
- 3303  **Antimetabolites** - Cytarabine, Fludarabine, Mercaptopurine, Methotrexate, Sildenafil
- 3305  **Kinase Inhibitors** - Acalabrutinib, Alectinib, Alpelisib, Brigatinib, Cobimetinib, Copanlisib, Duvelisib, Erdafitinib, Fedratinib, Gefitinib, Gilteritinib, Icotinib, Imatinib, Infigratinib, Lenvatinib, Mobocertinib, Neratinib, Osimertinib, Pacritinib, Palbociclib, Pemigatinib, Pexidartinib, Pralsetinib, Ribociclib, Ripretinib, Selpercatinib, Sorafenib, Sunitinib, Tivozanib, Tucatinib, Umbralisib, Upadacitinib, Vemurafenib, Zanubrutinib
- 3312  **Other Anti-Neoplastic Agents** - Avapritinib, Dacomitinib, Enasidenib, Encorafenib, Glasdegib, Ivosidenib, Ixazomib, Relugolix, Rucaparib, Selinexor, Sonidegib, Sotorasib, Tazemetostat, Tepotinib, Trabectedin, Veehtoclax
- 3306  **Platinum Derivatives** - Carboplatin, Cisplatin, Oxaliplatin, Platinum Compounds (gen)
- 3307  **Steroid Hormone Inhibitors** - Apalutamide, Darolutamide, Exemestane, Letrozole, Leuprolide, Mitotane, Relugolix, Tamoxifen
- 3308  **Taxanes** - Docetaxel, Paclitaxel, Taxanes (gen)
- 3309  **Topoisomerase Inhibitors** - Etoposide, Irinotecan
- 3310  **Uracil Derivatives** - Capecitabine, Fluorouracil, Folfox, Folox, Leucovorin, Tegafur, Xelox

### Infectious Disease

- 3502  **Antifungals and Antibiotics** - Daptomycin, Dicloxacillin, Eravacycline, Erythromycin, Fexinidazole, Ibexafungin, Isavuconazonium, Lefamulin, Posaconazole, Rifampicin, Secnidazole, Sulfonamides (gen), Voriconazole
- 3503  **Anti-Mycobacterials** - Anti-Mycobacterials (TB), Delamanid, Ethambutol, Isoniazid, Pretomanid, Pyrazinamide, Rifampicin
- 3505  **Cytomegalovirus (CMV)** - Letermovir, Maribavir
- 3504  **Hepatitis C (Hep-C)** - Daclatasvir, Elbasvir, Glecaprevir, Grazoprevir, Pibrentasvir, Velpatasvir, Voxilaprevir
- 3501  **HIV/AIDS** - Antivirals (HIV), Atazanavir, Bictegravir, Dolutegravir, Doravirine, Efavirenz, Etravirine, Indinavir, Lamivudine, Lopinavir, Nelfinavir, Nevirapine, Rilpivirine, Ritonavir, Tenofovir, Zidovudine

### Patient Information (Please Print)

Name (Last, First) (Required): \_\_\_\_\_

In Care of: \_\_\_\_\_

Patient Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip: \_\_\_\_\_

Assigned Sex at Birth (Required):

Female  Male

Date of Birth (Required): \_\_\_\_\_

Patient ID#: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Race:  Alaska Native or American Indian  Asian  Black or African American  Multiracial  Native Hawaiian or other Pacific Islander  Other race  White  Does not wish to disclose  Not provided

Ethnicity:  Hispanic or Latino  Not Hispanic or Latino  Unknown

Gender Identity:  Male  Female  Gender nonconforming  Transgender male-to-female  Transgender female-to-male  Does not wish to disclose  Not provided

Sexual Orientation:  Bisexual  Straight  Gay or Lesbian  Something else  Does not wish to disclose  Not provided

### Billing Information (Please include a copy of the front & back of card.)

Billing Type:  Patient  Insurance  Client  Relation (Required):  Self  Spouse  Dependant

Insured's Name (if not patient): \_\_\_\_\_

Insured's SS#: \_\_\_\_\_

Insured's DOB: \_\_\_\_\_

Primary Insurance Carrier: \_\_\_\_\_

Medicare, Medicaid or Policy ID#: \_\_\_\_\_

Claims Address: \_\_\_\_\_

Employer/Group Name: \_\_\_\_\_

Group#: \_\_\_\_\_

ICD10 codes (required): \_\_\_\_\_

### Psychiatric Disorders including Addiction

- 3401  **Addiction to Alcohol, Cocaine, Heroin, Opioids, Tobacco** - Anti-addiction (Nicotine), Anti-addiction (Opioids), Buprenorphine, Bupropion, Cariprazine, Ethanol, Disulfiram, Heroin, Levodopa, Lofexidine, Methadone, Naloxone, Naltrexone, Nicotine, Suboxone
- 3402  **ADD/ADHD** - Atomoxetine, Bupropion, Dextroamphetamine, Imipramine, Methylphenidate, Modafinil, Nortriptyline, Viloxazine
- 3403  **Alzheimer's Disease** - Donepezil, Galantamine, Olanzapine, Risperidone
- 3404  **Anxiety, Insomnia, Severe Agitation** - Alprazolam, Bupropion, Clonazepam, Dantrolene, Desvenlafaxine, Dexmedetomidine, Duloxetine, Escitalopram, Lemborexant, Lorazepam, Midazolam, Oxazepam, Pimavanserin, Valbenazine, Venlafaxine, Vilazodone
- 3405  **Autism Spectrum Disorders** - Aripiprazole, Quetiapine, Risperidone
- 3406  **Bipolar Disorder** - Aripiprazole, Asenapine, Cariprazine, Clonazepam, Lamotrigine, Lithium, Lumateperone, Lurasidone, Olanzapine, Oxcarbazepine, Quetiapine, Samidorphan, Valbenazine, Valproic acid, Vilazodone, Ziprasidone
- 3407  **Depressive Disorder & Major Depressive Disorder** - Amitriptyline, Antidepressants (gen), Antipsychotics (gen), Aripiprazole, Brexpiprazole, Bupropion, Cariprazine, Citalopram, Clomipramine, Desipramine, Desvenlafaxine, Deutetrabenazine, Diazepam, Doxepin, Duloxetine, Escitalopram, Esketamine, Fluoxetine, Fluvoxamine, Imipramine, Maprotiline, Milnacipran, Mirtazapine, Nortriptyline, Olanzapine, Opipramol, Paroxetine, Pimavanserin, Quetiapine, Sertraline, SSRIs (gen), Trimipramine, Valbenazine, Venlafaxine, Vilazodone, Viloxazine, Vortioxetine
- 3408  **Epilepsy** - Antiepileptics (gen), Brivaracetam, Cannabidiol (CBD), Carbamazepine, Clobazam, Clonazepam, Fosfatinib, Ganaxolone, Lamotrigine, Mephenytoin, Oxcarbazepine, Phenobarbital, Phenytoin, Valproic acid
- 3409  **Parkinson's Disease** - Entacapone, Istradefylline, Pimavanserin, Ribociclib
- 3410  **Schizophrenia** - Antipsychotics (gen), Aripiprazole, Asenapine, Brexpiprazole, Chlorpromazine, Clozapine, Fluphenazine, Haloperidol, Iloperidone, Lumateperone, Lurasidone, Nemonapride, Olanzapine, Pimavanserin, Quetiapine, Risperidone, Samidorphan, Thioridazine, Trifluoperazine, Ziprasidone, Zuclopentixol
- 3411  **Fibromyalgia** - Amitriptyline, Atomoxetine, Bupropion, Carbamazepine, Carisoprodol, Codeine, Desipramine, Desvenlafaxine, Dextromethorphan, Duloxetine, Escitalopram, Fluoxetine, Milnacipran, Naltrexone, Nortriptyline, Prednisone, Quetiapine, Tramadol, Venlafaxine
- 3412  **Post-Traumatic Stress Disorder (PTSD)** - Aripiprazole, Amitriptyline, Bupropion, Buspirone, Desvenlafaxine, Dronabinol, Duloxetine, Fluoxetine, Fluvoxamine, Guanfacine, Hydroxyzine, Ketamine, Lamotrigine, Mirtazapine, Nefazodone, Propranolol, Quetiapine, Risperidone, Sertraline, Trazodone, Valproic Acid, Venlafaxine, Vilazodone, Zolpidem

### Immunology / Immune Modulation

- 3609  **Antiasthmatics** - Revfenacin, Zafirlukast
- 3608  **Antihistamines** - Fexofenadine
- 3610  **Eczema & Psoriasis** - Abrocitinib, Deucravacitinib
- 3604  **Gastritis and Colitis** - Esomeprazole, Lansoprazole, Loperamide, Omeprazole, Ozanimod, Pantoprazole, Rabeprazole, Tacrolimus, Tenapanor, Vonoprazan
- 3607  **Gout** - Allopurinol, Febuxostat, Lesinurad, Naproxen
- 3605  **Inflammation** - Anti-inflammatories (gen), Avacopan, Baricitinib, Celecoxib, Dexamethasone, Diclofenac, Flurbiprofen, Ibuprofen, Lomoxicam, Meclofenamate, Meloxicam, Ozanimod, Prednisone/Prednisolone
- 3611  **Multiple Sclerosis** - Siponimod
- 3602  **Rheumatoid Arthritis** - Baricitinib, Deucravacitinib, Ibuprofen, Leflunomide, Meclofenamate, Methotrexate, Naproxen, Sulfasalazine
- 3606  **Systemic Lupus Erythematosus** - Cyclophosphamide, Naproxen, Voclosporin
- 3601  **Transplantation** - Belumosudil, Busulfan, Cyclophosphamide, Cyclosporine, Everolimus, Letermovir, Maribavir, Methylprednisone, Prednisone/Prednisolone, Sirolimus, Tacrolimus
- 3603  **Type-II Diabetes** - Empagliflozin, Ertugliflozin, Ffimerenone, Repaglinide, Sulfureas (gen), Urea Derivatives (gen)

### Other

- 3701  **Anesthesiology** - Nitrous Oxide
- 3713  **Anemia** - Flibanserin, Mitapivat
- 3702  **Beta Thalassemia** - Deferasirox
- 3706  **Bladder Control** - Tolterodine, Vibegron
- 3707  **Bladder Incontinence** - Darifenacin, Fesoterodine, Mirabegron, Tamsulosin, Tolterodine
- 3704  **Contraception** - Drospirenone, Ethinylestradiol, Levonorgestrel, Medroxyprogesterone, Norethindrone, Norgestimate, Oral Contraceptives (gen)
- 3714  **Cystic Fibrosis** - Ivacaftor
- 3711  **Endometriosis** - Danazol, Edoxaban, Elagolix, Ibuprofen, Letrozole, Leuprolide, Levonorgestrel, Medroxyprogesterone, Naproxen, Norethindrone
- 3705  **Erectile Dysfunction** - Sildenafil, Tadalafil, Vardenafil
- 3712  **Female Libido** - Flibanserin, Mitapivat
- 3703  **Narcolepsy** - Modafinil, Pitolisant
- 3710  **Spinal Muscular Atrophy** - Risdiplam

**Note: This Test Requisition Form must be submitted with a Patient Informed Consent/Insurance Acknowledgment Form**

**Medical Necessity Guidelines:**

Physicians must only order tests that they have determined are medically necessary for the diagnosis and treatment of a patient. MDL offers individual tests, as well as a limited number of customized panels. MDL provides practitioners with the flexibility to choose appropriate individual tests for each specimen to assure that the convenience of ordering panels does not impede them from ordering tests/panels that are medically necessary. All tests listed in panels may be ordered individually using this test requisition form. If you choose to order a panel, please make certain that each and every test is medically necessary. If you check off a panel as your choice, MDL understands that the physician has determined that all of the component tests are medically necessary, and will perform, report and bill for all such component tests.

Tests by Drug			
4055 <input type="checkbox"/> Abrocitinib	4076 <input type="checkbox"/> Delamanid	3881 <input type="checkbox"/> Gefitinib	3922 <input type="checkbox"/> Naltrexone
4056 <input type="checkbox"/> Acalabrutinib	3843 <input type="checkbox"/> Desipramine	4099 <input type="checkbox"/> Gilteritinib	3923 <input type="checkbox"/> Nelfinavir
3801 <input type="checkbox"/> Acenocoumarol	4077 <input type="checkbox"/> Deucravacitinib	4101 <input type="checkbox"/> Glasdegib	3924 <input type="checkbox"/> Nemonapride
4057 <input type="checkbox"/> Alecetinib	4078 <input type="checkbox"/> Deutetrabenazine	4102 <input type="checkbox"/> Glecaprevir	4124 <input type="checkbox"/> Neratinib
3803 <input type="checkbox"/> Alfentanil	3844 <input type="checkbox"/> Dexamethasone	3882 <input type="checkbox"/> Granisetron	3925 <input type="checkbox"/> Nevirapine
3804 <input type="checkbox"/> Allopurinol	3845 <input type="checkbox"/> Dexmedetomidine	4103 <input type="checkbox"/> Grazoprevir	3926 <input type="checkbox"/> Nicotine
4058 <input type="checkbox"/> Alpelisib	3846 <input type="checkbox"/> Dextroamphetamine	3883 <input type="checkbox"/> Haloperidol	3927 <input type="checkbox"/> Nifedipine
3805 <input type="checkbox"/> Amitriptyline	4009 <input type="checkbox"/> Dextromethorphan	4015 <input type="checkbox"/> Heroin	3928 <input type="checkbox"/> Nitrous oxide
3806 <input type="checkbox"/> Amlodipine	3847 <input type="checkbox"/> Diazepam	3884 <input type="checkbox"/> Hydrocodone	3929 <input type="checkbox"/> Nortriptyline
3807 <input type="checkbox"/> Anthracyclines (gen)	3848 <input type="checkbox"/> Diclofenac	4104 <input type="checkbox"/> Ibrexafungerp	3930 <input type="checkbox"/> Olanzapine
4001 <input type="checkbox"/> Antiaddiction -Nicotine	3849 <input type="checkbox"/> Dicloxacillin	3885 <input type="checkbox"/> Icotinib	4125 <input type="checkbox"/> Olliceridine
4002 <input type="checkbox"/> Antiaddiction -Opioids	3850 <input type="checkbox"/> Digoxin	3886 <input type="checkbox"/> Idarubicin	3931 <input type="checkbox"/> Olmesartan
4003 <input type="checkbox"/> Antidepressants (gen)	3851 <input type="checkbox"/> Disulfiram	4105 <input type="checkbox"/> Infegratinib	3932 <input type="checkbox"/> Omeprazole
3808 <input type="checkbox"/> Antiepileptics (gen)	3852 <input type="checkbox"/> Docetaxel	3887 <input type="checkbox"/> Iloperidone	3933 <input type="checkbox"/> Ondansetron
4004 <input type="checkbox"/> Anti-inflammatory (gen)	3853 <input type="checkbox"/> Dolasetron	3888 <input type="checkbox"/> Imatinib	3934 <input type="checkbox"/> Opioids (gen)
4005 <input type="checkbox"/> Antimycobacterials - TB	4010 <input type="checkbox"/> Dolutegravir	3889 <input type="checkbox"/> Imipramine	3935 <input type="checkbox"/> Opipramol
3809 <input type="checkbox"/> Antipsychotics (gen)	3854 <input type="checkbox"/> Donepezil	3890 <input type="checkbox"/> Indinavir	3936 <input type="checkbox"/> Oral Contraceptives (gen)
4006 <input type="checkbox"/> Antivirals - HIV	4079 <input type="checkbox"/> Doravirine	3891 <input type="checkbox"/> Irbesartan	4126 <input type="checkbox"/> Osimertinib
4041 <input type="checkbox"/> Apalutamide	3855 <input type="checkbox"/> Doxepin	3892 <input type="checkbox"/> Irinotecan	3937 <input type="checkbox"/> Oxaliplatin
3810 <input type="checkbox"/> Aripiprazole	3856 <input type="checkbox"/> Doxorubicin	4106 <input type="checkbox"/> Isavuconazonium	3938 <input type="checkbox"/> Oxazepam
4059 <input type="checkbox"/> Asenapine	4080 <input type="checkbox"/> Drospirenone	4016 <input type="checkbox"/> Isoniazid	4020 <input type="checkbox"/> Oxcarbazepine
3811 <input type="checkbox"/> Aspirin	4011 <input type="checkbox"/> Duloxetine	4107 <input type="checkbox"/> Istradefylline	3939 <input type="checkbox"/> Oxycodone
3812 <input type="checkbox"/> Atazanavir	4081 <input type="checkbox"/> Duvelisib	4108 <input type="checkbox"/> Ivabradine	4128 <input type="checkbox"/> Ozanimod
4060 <input type="checkbox"/> Atogepant	4082 <input type="checkbox"/> Edoxaban	4109 <input type="checkbox"/> Ivacaftor	3940 <input type="checkbox"/> Paclitaxel
3813 <input type="checkbox"/> Atomoxetine	3857 <input type="checkbox"/> Efavirenz	4110 <input type="checkbox"/> Ivosidenib	4129 <input type="checkbox"/> Pacritinib
3814 <input type="checkbox"/> Atorvastatin	4083 <input type="checkbox"/> Efavirenz	4111 <input type="checkbox"/> Ixazomib	4130 <input type="checkbox"/> Palbociclib
4061 <input type="checkbox"/> Avacopan	4084 <input type="checkbox"/> Elbasvir	3893 <input type="checkbox"/> Ketamine	4131 <input type="checkbox"/> Palonosetron
4062 <input type="checkbox"/> Avapritinib	4085 <input type="checkbox"/> Empagliflozin	3894 <input type="checkbox"/> Lamivudine	3941 <input type="checkbox"/> Pantoprazole
4063 <input type="checkbox"/> Baricitinib	3858 <input type="checkbox"/> Enalapril	3895 <input type="checkbox"/> Lamotrigine	3942 <input type="checkbox"/> Paroxetine
4064 <input type="checkbox"/> Belumosudil	4086 <input type="checkbox"/> Enasidenib	3896 <input type="checkbox"/> Lansoprazole	4132 <input type="checkbox"/> Pemigatinib
3815 <input type="checkbox"/> Benazepril	4087 <input type="checkbox"/> Encorafenib	4112 <input type="checkbox"/> Lefamulin	4133 <input type="checkbox"/> Pexidartinib
4065 <input type="checkbox"/> Bictegravir	3859 <input type="checkbox"/> Entacapone	3897 <input type="checkbox"/> Leflunomide	3943 <input type="checkbox"/> Phenobarbital
4066 <input type="checkbox"/> Brexpiprazole	3860 <input type="checkbox"/> Epirubicin	4113 <input type="checkbox"/> Lemborexant	4134 <input type="checkbox"/> Pibrentasvir
4067 <input type="checkbox"/> Brigatinib	4088 <input type="checkbox"/> Eravacycline	4114 <input type="checkbox"/> Lenvatinib	4135 <input type="checkbox"/> Pimavanserin
4007 <input type="checkbox"/> Brivaracetam	4039 <input type="checkbox"/> Erdafitinib	4115 <input type="checkbox"/> Lesinurad	4136 <input type="checkbox"/> Pitolisant
3816 <input type="checkbox"/> Bufuralol	4089 <input type="checkbox"/> Ertugliflozin	4116 <input type="checkbox"/> Letermovir	3944 <input type="checkbox"/> Phenprocoumon
4008 <input type="checkbox"/> Buprenorphine	3861 <input type="checkbox"/> Erythromycin	3898 <input type="checkbox"/> Leucovorin	3945 <input type="checkbox"/> Phenytoin
3817 <input type="checkbox"/> Bupropion	3862 <input type="checkbox"/> Escitalopram	3899 <input type="checkbox"/> Levodopa	3946 <input type="checkbox"/> Pitavastatin
3818 <input type="checkbox"/> Busulfan	4090 <input type="checkbox"/> Esketamine	3900 <input type="checkbox"/> Lithium	3947 <input type="checkbox"/> Platinum Compounds (gen)
4068 <input type="checkbox"/> Cannabidiol (CBD)	3863 <input type="checkbox"/> Esomeprazole	4117 <input type="checkbox"/> Lofexidine	4137 <input type="checkbox"/> Posaconazole
3819 <input type="checkbox"/> Capecitabine	4012 <input type="checkbox"/> Ethambutol	4018 <input type="checkbox"/> Loperamide	4138 <input type="checkbox"/> Pralsetinib
3820 <input type="checkbox"/> Carbamazepine	4013 <input type="checkbox"/> Ethanol	3901 <input type="checkbox"/> Lopinavir	3948 <input type="checkbox"/> Prasugrel
3821 <input type="checkbox"/> Carboplatin	3864 <input type="checkbox"/> Etoposide	3902 <input type="checkbox"/> Lorazepam	3949 <input type="checkbox"/> Pravastatin
4069 <input type="checkbox"/> Cariprazine	3865 <input type="checkbox"/> Etravirine	3903 <input type="checkbox"/> Lomoxicam	3950 <input type="checkbox"/> Prednisolone
3822 <input type="checkbox"/> Carisoprodol	3866 <input type="checkbox"/> Everolimus	3904 <input type="checkbox"/> Losartan	3950 <input type="checkbox"/> Prednisone
3823 <input type="checkbox"/> Carvedilol	4014 <input type="checkbox"/> Exemestane	3905 <input type="checkbox"/> Lovastatin	4139 <input type="checkbox"/> Pretomanid
3824 <input type="checkbox"/> Celecoxib	4091 <input type="checkbox"/> Febusostat	4118 <input type="checkbox"/> Lumateperone	3951 <input type="checkbox"/> Propafenone
3826 <input type="checkbox"/> Chlorpromazine	4092 <input type="checkbox"/> Fedratinib	4119 <input type="checkbox"/> Lurasidone	3952 <input type="checkbox"/> Propranolol
3827 <input type="checkbox"/> Cilostazol	3867 <input type="checkbox"/> Fentanyl	4120 <input type="checkbox"/> Maribavir	3953 <input type="checkbox"/> Propofol
3828 <input type="checkbox"/> Cisplatin	4036 <input type="checkbox"/> Fesoterodine	3906 <input type="checkbox"/> Maprotiline	4021 <input type="checkbox"/> Pyrazinamide
3829 <input type="checkbox"/> Citalopram	4093 <input type="checkbox"/> Fexinidazole	4121 <input type="checkbox"/> Mavacamten	3954 <input type="checkbox"/> Quetiapine
3830 <input type="checkbox"/> Clobazam	3868 <input type="checkbox"/> Fexofenadine	4019 <input type="checkbox"/> Meloxicam	3955 <input type="checkbox"/> Rabeprazole
3831 <input type="checkbox"/> Clomipramine	4094 <input type="checkbox"/> Finerenone	3907 <input type="checkbox"/> Mephenytoin	3950 <input type="checkbox"/> Prednisolone
3832 <input type="checkbox"/> Clopidogrel	3869 <input type="checkbox"/> Flecainide	3908 <input type="checkbox"/> Mercaptopurine	3950 <input type="checkbox"/> Prednisone
3833 <input type="checkbox"/> Clozapine	4095 <input type="checkbox"/> Filibanserine	3909 <input type="checkbox"/> Methadone	4141 <input type="checkbox"/> Revefenacin
4070 <input type="checkbox"/> Cobimetinib	3870 <input type="checkbox"/> Fludarabine	3910 <input type="checkbox"/> Methotrexate	4142 <input type="checkbox"/> Ribociclib
3834 <input type="checkbox"/> Codeine	3871 <input type="checkbox"/> Fludionone	3911 <input type="checkbox"/> Methylphenidate	3957 <input type="checkbox"/> Rifampicin
4071 <input type="checkbox"/> Copanlisib	3872 <input type="checkbox"/> Fluorouracil	3912 <input type="checkbox"/> Methylprednisone	4143 <input type="checkbox"/> Rilpivirine
3836 <input type="checkbox"/> Cyclophosphamide	3873 <input type="checkbox"/> Fluoxetine	3913 <input type="checkbox"/> Metoprolol	4144 <input type="checkbox"/> Rimegepant
3837 <input type="checkbox"/> Cyclosporine	3874 <input type="checkbox"/> Fluphenazine	3915 <input type="checkbox"/> Midazolam	4145 <input type="checkbox"/> Ripretinib
3838 <input type="checkbox"/> Cytarabine	3875 <input type="checkbox"/> Flurbiprofen	3916 <input type="checkbox"/> Milnacipran	4146 <input type="checkbox"/> Risdiplam
4072 <input type="checkbox"/> Daclatasvir	3876 <input type="checkbox"/> Fluvastatin	4037 <input type="checkbox"/> Mirabegron	3958 <input type="checkbox"/> Risperidone
4073 <input type="checkbox"/> Dacomitinib	3877 <input type="checkbox"/> Fluvoxamine	4122 <input type="checkbox"/> Mitapivat	3959 <input type="checkbox"/> Ritonavir
3840 <input type="checkbox"/> Daptomycin	3878 <input type="checkbox"/> Fofox	3917 <input type="checkbox"/> Mirtazapine	3960 <input type="checkbox"/> Rocuronium
4074 <input type="checkbox"/> Daridorexant	3879 <input type="checkbox"/> Fofox	3918 <input type="checkbox"/> Mitotane	4147 <input type="checkbox"/> Rolapitant
4035 <input type="checkbox"/> Darifenacin	4096 <input type="checkbox"/> Fosnetupitant	4123 <input type="checkbox"/> Mobocertinib	3962 <input type="checkbox"/> Rosuvastatin
4075 <input type="checkbox"/> Darolutamide	4097 <input type="checkbox"/> Fostamatinib	3919 <input type="checkbox"/> Modafinil	4148 <input type="checkbox"/> Rucaparib
3841 <input type="checkbox"/> Debrisoquine	3880 <input type="checkbox"/> Galantamine	3920 <input type="checkbox"/> Morphine	4149 <input type="checkbox"/> Samidorphan
3842 <input type="checkbox"/> Deferasirox	4098 <input type="checkbox"/> Ganaxolone	3921 <input type="checkbox"/> Naloxone	

Genes by Panel	
<p align="center"><b>Cardiology</b></p> <p>3101 <b>Antiplatelet Agents - ABCB1, CYP1A2, CYP2B6, CYP2C9, CYP2C19, CYP2D6, CYP3A4, CYP3A5, ITGB3, SLOC1B1</b></p> <p>3102 <b>Statins - ABCB1, ABCG2, APOE, CYP2C9, CYP2D6, CYP3A4, CYP3A5, KIF6, MTHFR, SLOC1B1</b></p> <p>3103 <b>Anticlotting Agents - ABCB1, CYP2C9, CYP2C19, CYP2D6, VKORC1</b></p> <p>3104 <b>Thrombophilia - F2, F5, MTHFR</b></p> <p>3105 <b>Calcium Channel Blockers - CYP3A4, CYP3A5</b></p> <p>3106 <b>Beta Blockers - ABCB1, CYP2D6, UGT1A1</b></p> <p>3107 <b>Congestive Heart Failure - ABCB1</b></p> <p>3108 <b>Antiarrhythmics - CYP2D6</b></p> <p>3109 <b>Antihypertensives - ABCB1, CYP2D6, CYP2C9, MTHFR, SLOC1B1</b></p>	<p align="center"><b>Psychiatric Disorders including Addiction</b></p> <p>3401 <b>Addiction to Alcohol, Cocaine, Heroin, Opioids, Tobacco-ABCB1, ANKK1, COMT, CYP2B6, CYP2C19, CYP2D6, CYP3A4, DBH, MTHFR, OPRM1</b></p> <p>3402 <b>ADD/ADHD-ANKK1, ABCB1, ADRA2A, CYP2B6, CYP2C19, CYP2D6, DRD1</b></p> <p>3403 <b>Alzheimer's Disease-ABCB1, ANKK1, CYP1A2, CYP2C9, CYP2D6, CYP3A5, HTR2A, MTHFR</b></p> <p>3404 <b>Anxiety, Insomnia, Severe Agitation-ABCB1, ADRA2A, ANKK1, COMT, CYP1A2, YP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, GABRP, HTR2A, UGT1A1, UGT2B15</b></p> <p>3405 <b>Autism Spectrum Disorders-ABCB1, ANKK1, COMT, CYP2D6, CYP3A4, CYP3A5, HTR2A</b></p> <p>3406 <b>Bipolar Disorder-ABCB1, ABCG2, ANKK1, CYP1A2, CYP2C9, CYP2D6, CYP3A4, CYP3A5, COMT, DRD1, GABRA6, HTR2A, MTHFR, UGT1A1, UGT2B7</b></p> <p>3407 <b>Depressive Disorder &amp; Major Depressive Disorder-ABCB1, ADRA2A, ANKK1, COMT, CYP1A2, CYP2B6, CYP2C19, CYP2C9, CYP2D6, CYP3A4, CYP3A5, DRD4, GABRP, GRIK4, HTR2A, HTR2C, MTHFR, UGT1A1</b></p> <p>3408 <b>Epilepsy-ABCB1, ABCG2, ANKK1, CYP1A2, CYP2C19, CYP2C9, CYP3A4, CYP3A5, GABRA6, UGT2B7</b></p> <p>3409 <b>Parkinson's Disease-COMT</b></p> <p>3410 <b>Schizophrenia-ABCB1, ANKK1, COMT, CYP1A2, CYP2C9, CYP2D6, CYP3A4, CYP3A5, DRD1, HTR2A, HTR2C, MTHFR</b></p> <p>3411 <b>Fibromyalgia-ABCB1, ADRA2A, ANKK1, COMT, CYP1A2, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, DBH, GABRP, HTR2A, OPRM1, UGT1A1, UGT2B7</b></p> <p>3412 <b>Post-Traumatic Stress Disorder (PTSD) - ABCB1, ABCG2, ANKK1, COMT, CYP1A2, CYP2B6, CYP2C19, CYP2C9, CYP2D6, CYP3A4, CYP3A5, DRD1, GABRP, HTR2A, UGT1A1, UGT2B7</b></p>
<p align="center"><b>Malignant Disease</b></p> <p>3301 <b>Alkaloids-ABCB1</b></p> <p>3302 <b>Alkylating Agents-CYP2B6, CYP2C19, CYP3A4, MTHFR, SLOC1B1, TPMT</b></p> <p>3303 <b>Antimetabolites-ABCB1, ABCG2, MTHFR, SLOC1B1, TPMT</b></p> <p>3304 <b>Anthracyclines-ABCB1, CYP2B6, CYP2C19, SLOC1B1</b></p> <p>3305 <b>Kinase Inhibitors-ABCB1, ABCG2, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, SLOC1B1</b></p> <p>3306 <b>Platinum Derivatives-ABCB1, ABCG2, CYP3A5, MTHFR, TPMT</b></p> <p>3307 <b>Steroid Hormone Inhibitors-ABCB1, CYP2B6, CYP2C19, CYP2D6, CYP3A4</b></p> <p>3308 <b>Taxanes-ABCB1, CYP2C8, CYP3A4, CYP3A5, SLOC1B1</b></p> <p>3309 <b>Topoisomerase Inhibitors-ABCB1, SLOC1B1, UGT1A1</b></p> <p>3310 <b>Uracil Derivatives-ABCB1, ABCG2, DPYD, MTHFR, SLOC1B1</b></p> <p>3311 <b>Antiemetics-ABCB1, CYP2D6, CYP3A5</b></p>	<p align="center"><b>Immunology / Immune Modulation</b></p> <p>3601 <b>Transplantation-ABCB1, CYP2B6, CYP2C19, CYP2C9, CYP3A4, CYP3A5, MTHFR, SLOC1B1, TPMT</b></p> <p>3602 <b>Rheumatoid Arthritis-ABCB1, ABCG2, CYP1A2, MTHFR, SLOC1B1</b></p> <p>3603 <b>Type-II Diabetes-CYP2C8, CYP2C9, SLOC1B1</b></p> <p>3604 <b>Gastritis and Colitis-ABCB1, CYP2C19, CYP3A4, CYP3A5</b></p> <p>3605 <b>Inflammation-ABCB1, CYP2C9, COMT, DBH, OPRM1</b></p> <p>3606 <b>Systemic Lupus Erythematosus-CYP2B6, CYP2C19, CYP3A4, MTHFR, SLOC1B1, TPMT</b></p> <p>3607 <b>Gout-ABCG2</b></p> <p>3608 <b>Antihistamines-ABCB1</b></p> <p>3609 <b>Antiasthmatics-CYP2C9</b></p>
<p align="center"><b>Other</b></p> <p>3701 <b>Anaesthesiology-MTHFR</b></p> <p>3702 <b>Beta Thalassemia-CYP1A2, UGT1A1</b></p> <p>3703 <b>Narcolepsy-ABCB1</b></p> <p>3704 <b>Contraception-CYP2C9, F2, F5, MTHFR</b></p> <p>3705 <b>Erectile Dysfunction-CYP3A4, CYP3A5</b></p> <p>3706 <b>Bladder Control-CYP2D6, CYP3A4, CYP3A5</b></p> <p>3707 <b>Bladder Incontinence-CYP2D6, CYP3A4, CYP3A5</b></p> <p>3711 <b>Endometriosis - SLOC1B1, CYP3A4, CYP2D6</b></p>	<p align="center"><b>Infectious Disease</b></p> <p>3501 <b>HIV/AIDS-ABCB1, ABCG2, APOE, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, UGT1A1</b></p> <p>3502 <b>Antifungals and Antibiotics-ABCB1, CYP2B6, CYP2C9, CYP2C19, CYP3A4, SLOC1B1</b></p> <p>3503 <b>Anti-Mycobacterials-ABCB1, CYP2B6, SLOC1B1</b></p>