

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, Selexipag, 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, Lornoxicam, 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 **Antimetetics** -Alprazolam, Dolasetron, Fosnetupitant, Granisetron, Ondansetron, Palonosetron, Rolapitant
- ☐ 3303 **Antimetabolites** - Cytarabine, Fludarabine, Mercaptopurine, Methotrexate, Silibinin
- ☐ 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, Ubralisib, Upadacitinib, Vemurafenib, Zanubrutinib
- ☐ 3312 **Other Anti-Neoplastic Agents** – Avapritinib, Dacomitinib, Enasidenib, Encorafenib, Glasdegib, Ivosidenib, Ixazomib, Relugolix, Rucaparib, Selinexor, Sonidegib, Sotorasib, Tazemetosat, Tepotinib, Trabectedin, Venetoclax
- ☐ 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, Ibrexafungerp, 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

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

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:

☐ Cell Phone
☐ Home Phone

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 ☐ Not applicable

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

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, Dandorexant, 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, Fostamatinib, 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, Zuclopenthixol
- ☐ 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** - Revefenacin, 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, Lornoxicam, 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, Ffinerenone, Repaglinide, Sulfoureas (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

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 ☐ Abrocitinib	4076 ☐ Delamanid	4099 ☐ Gilteritinib	4030 ☐ Nefazodone
4056 ☐ Acalabrutinib	3843 ☐ Desipramine	4101 ☐ Glasdegib	3923 ☐ Nelfinavir
3801 ☐ Acenocoumarol	4077 ☐ Deucravacitinib	4102 ☐ Glecaprevir	3924 ☐ Nemonapride
4057 ☐ Alectinib	4078 ☐ Dextetra benzazine	3882 ☐ Granisetron	4124 ☐ Neratinib
3803 ☐ Alfentanil	3844 ☐ Dexamethasone	4103 ☐ Grazoprevir	3925 ☐ Nevirapine
3804 ☐ Allopurinol	3845 ☐ Dexmedetomidine	4028 ☐ Guanfacine	3926 ☐ Nicotine
4058 ☐ Alpelisib	3846 ☐ Dextroamphetamine	3883 ☐ Haloperidol	3927 ☐ Nifedipine
4178 ☐ Alprazolam	4009 ☐ Dextromethorphan	4015 ☐ Heroin	3928 ☐ Nitrous oxide
3805 ☐ Amitriptyline	3847 ☐ Diazepam	3884 ☐ Hydrocodone	3929 ☐ Nortriptyline
3806 ☐ Amlodipine	3848 ☐ Diclofenac	4029 ☐ Hydroxyzine	3930 ☐ Olanzapine
3807 ☐ Anthracyclines (gen)	3849 ☐ Dicloxacillin	4104 ☐ Ibrexafungerp	4125 ☐ Olliceridine
4001 ☐ Antiaddiction - Nicotine	3850 ☐ Digoxin	3885 ☐ Icotinib	3931 ☐ Olmesartan
4002 ☐ Antiaddiction - Opioids	3851 ☐ Disulfiram	3886 ☐ Idarubicin	3932 ☐ Omeprazole
4003 ☐ Antidepressants (gen)	3852 ☐ Docetaxel	4105 ☐ Infgratinib	3933 ☐ Ondansetron
3808 ☐ Antiepileptics (gen)	3853 ☐ Dolasetron	3887 ☐ Iloperidone	3934 ☐ Opioids (gen)
4004 ☐ Anti-inflammatories (gen)	4010 ☐ Dolutegravir	3888 ☐ Imatinib	3935 ☐ Opipramol
4005 ☐ Antimycobacterials - TB	3854 ☐ Donepezil	3889 ☐ Imipramine	3936 ☐ Oral Contraceptives (gen)
3809 ☐ Antipsychotics (gen)	4079 ☐ Doravirine	3890 ☐ Indinavir	4126 ☐ Osimertinib
4006 ☐ Antivirals - HIV	3855 ☐ Doxepin	3891 ☐ Irbesartan	3937 ☐ Oxaliplatin
4041 ☐ Apalutamide	3856 ☐ Doxorubicin	3892 ☐ Irinotecan	3938 ☐ Oxazepam
3810 ☐ Aripiprazole	4027 ☐ Dronabinol	4106 ☐ Isavuconazonium	4020 ☐ Oxcarbazepine
4059 ☐ Asenapine	4080 ☐ Drosiprenone	4016 ☐ Isoniazid	3939 ☐ Oxycodone
3811 ☐ Aspirin	4011 ☐ Duloxetine	4107 ☐ Istradefylline	4128 ☐ Ozanimod
3812 ☐ Atazanavir	4081 ☐ Duvelisib	4108 ☐ Ivabradine	3940 ☐ Paclitaxel
4060 ☐ Atogepant	4082 ☐ Edoxaban	4109 ☐ Ivacaftor	4129 ☐ Pacritinib
3813 ☐ Atomoxetine	3857 ☐ Efavirenz	4110 ☐ Ivosidenib	4130 ☐ Palbociclib
3814 ☐ Atorvastatin	4083 ☐ Elagolix	4111 ☐ Ixazomib	4131 ☐ Palonosetron
4061 ☐ Avacopan	4084 ☐ Elbasvir	3893 ☐ Ketamine	3941 ☐ Pantoprazole
4062 ☐ Avapritinib	4085 ☐ Empagliflozin	3894 ☐ Lamivudine	3942 ☐ Paroxetine
4063 ☐ Baricitinib	3858 ☐ Enalapril	3895 ☐ Lamotrigine	4132 ☐ Pemigatinib
4064 ☐ Belumosudil	4086 ☐ Enasidenib	3896 ☐ Lansoprazole	4133 ☐ Pexidartinib
3815 ☐ Benazepril	4087 ☐ Encorafenib	4112 ☐ Lefamulin	3943 ☐ Phenobarbital
4065 ☐ Bictegravir	3859 ☐ Entacapone	3897 ☐ Leflunomide	4134 ☐ Pibrentasvir
4066 ☐ Brexpiprazole	3860 ☐ Epirubicin	4113 ☐ Lemborexant	4135 ☐ Pimavanserin
4067 ☐ Brigatinib	4088 ☐ Eravacycline	4114 ☐ Lenvatinib	4136 ☐ Pitolisant
4007 ☐ Brivaracetam	4039 ☐ Erdafitinib	4115 ☐ Lesinurad	3944 ☐ Phenprocoumon
3816 ☐ Bufuralol	4089 ☐ Ertugliflozin	4116 ☐ Letermovir	3945 ☐ Phenytoin
4008 ☐ Buprenorphine	3861 ☐ Erythromycin	3898 ☐ Leucovorin	3946 ☐ Pitavastatin
3817 ☐ Bupropion	3862 ☐ Escitalopram	3899 ☐ Levodopa	3947 ☐ Platinum Compounds (gen)
4026 ☐ Buspirone	4090 ☐ Esketamine	3900 ☐ Lithium	4137 ☐ Posaconazole
3818 ☐ Busulfan	3863 ☐ Esomeprazole	4117 ☐ Lofexidine	4138 ☐ Pralsetinib
4068 ☐ Cannabidiol (CBD)	4012 ☐ Ethambutol	4018 ☐ Loperamide	3948 ☐ Prasugrel
3819 ☐ Capecitabine	4013 ☐ Ethanol	3901 ☐ Lopinavir	3949 ☐ Pravastatin
3820 ☐ Carbamazepine	3864 ☐ Etoposide	3902 ☐ Lorazepam	3950 ☐ Prednisolone
3821 ☐ Carboplatin	3865 ☐ Etravirine	3903 ☐ Lornoxicam	3950 ☐ Prednisone
4069 ☐ Cariprazine	3866 ☐ Everolimus	3904 ☐ Losartan	4139 ☐ Pretomanid
3822 ☐ Carisoprodol	4014 ☐ Exemestane	3905 ☐ Lovastatin	3951 ☐ Propafenone
3823 ☐ Carvedilol	4091 ☐ Feboxostat	4118 ☐ Lumateperone	3952 ☐ Propranolol
3824 ☐ Celecoxib	4092 ☐ Fedratinib	4119 ☐ Lurasidone	3953 ☐ Propofol
3826 ☐ Chlorpromazine	3867 ☐ Fentanyl	4120 ☐ Maribavir	4021 ☐ Pyrazinamide
3827 ☐ Cilostazol	4036 ☐ Fesoterodine	3906 ☐ Maprotiline	3954 ☐ Quetiapine
3828 ☐ Cisplatin	4093 ☐ Fexinidazole	4121 ☐ Mavacamten	3955 ☐ Rabeprazole
3829 ☐ Citalopram	3868 ☐ Fexofenadine	4019 ☐ Meloxicam	4140 ☐ Relugolix
3830 ☐ Clobazam	4094 ☐ Finerenone	3907 ☐ Mephenytoin	3956 ☐ Repaglinide
3831 ☐ Clomipramine	3869 ☐ Flecainide	3908 ☐ Mercaptopurine	4141 ☐ Revefenacin
3832 ☐ Clopidogrel	4095 ☐ Filbaserin	3909 ☐ Methadone	4142 ☐ Ribociclib
3833 ☐ Clozapine	3870 ☐ Fludarabine	3910 ☐ Methotrexate	3957 ☐ Rifampicin
4070 ☐ Cobimetinib	3871 ☐ Fludionide	3911 ☐ Methylphenidate	4143 ☐ Rilpivirine
3834 ☐ Codeine	3872 ☐ Fluorouracil	3912 ☐ Methylprednisone	4144 ☐ Rimegepant
4071 ☐ Copanlisib	3873 ☐ Fluoxetine	3913 ☐ Metoprolol	4145 ☐ Ripretinib
3836 ☐ Cyclophosphamide	3874 ☐ Fluphenazine	3915 ☐ Midazolam	4146 ☐ Risdiplam
3837 ☐ Cyclosporine	3875 ☐ Flurbiprofen	3916 ☐ Milnacipran	3958 ☐ Risperidone
3838 ☐ Cytarabine	3876 ☐ Fluvastatin	4037 ☐ Mirabegron	3959 ☐ Ritonavir
4072 ☐ Daclatasvir	3877 ☐ Fluvoxamine	4122 ☐ Mitapivat	3960 ☐ Rocuronium
4073 ☐ Dacomitinib	3878 ☐ Folflox	3917 ☐ Mirtazapine	4147 ☐ Rolapitant
3840 ☐ Daptomycin	3879 ☐ FoloX	3918 ☐ Mitotane	3962 ☐ Rosuvastatin
4074 ☐ Daridorexant	4096 ☐ Fosnetupitant	4123 ☐ Mobocertinib	4148 ☐ Rucaparib
4035 ☐ Darifenacin	4097 ☐ Fostamatinitib	3919 ☐ Modafinil	4149 ☐ Samidorphan
4075 ☐ Darolutamide	3880 ☐ Galantamine	3920 ☐ Morphine	4150 ☐ Secnidazole
3841 ☐ Debrisoquine	4098 ☐ Ganaxolone	3921 ☐ Naloxone	4151 ☐ Selexipag
3842 ☐ Deferasirox	3881 ☐ Gefitinib	3922 ☐ Naltrexone	4152 ☐ Selinexor

Genes by Panel	
Cardiology	Psychiatric Disorders including Addiction
3101 Antiplatelet Agents - ABCB1, CYP1A2, CYP2B6, CYP2C9, CYP2C19, CYP2D6, CYP3A4, CYP3A5, ITGB3, SLOC1B1	3401 Addiction to Alcohol, Cocaine, Heroin, Opioids, Tobacco -ABCB1, ANKK1, COMT, CYP2B6, CYP2C19, CYP2D6, CYP3A4, DBH, MTHFR, OPRM1
3102 Statins - ABCB1, ABCG2, APOE, CYP2C9, CYP2D6, CYP3A4, CYP3A5, KIF6, MTHFR, SLC01B1	3402 ADD/ADHD -ANKK1, ABCB1, ADRA2A, CYP2B6, CYP2C19, CYP2D6, DRD1
3103 Anticlotting Agents - ABCB1, CYP2C9, CYP2C19, CYP2D6, VKORC1	3403 Alzheimer's Disease -ABCB1, ANKK1, CYP1A2, CYP2C9, CYP2D6, CYP3A5, HTR2A, MTHFR
3104 Thrombophilia - F2, F5, MTHFR	3404 Anxiety, Insomnia, Severe Agitation -ABCB1, ADRA2A, ANKK1, COMT, CYP1A2, YP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, GABRP, HTR2A, UGT1A1, UGT2B15
3105 Calcium Channel Blockers - CYP3A4, CYP3A5	3405 Autism Spectrum Disorders -ABCB1, ANKK1, COMT, CYP2D6, CYP3A4, CYP3A5, HTR2A
3106 Beta Blockers - ABCB1, CYP2D6, UGT1A1	3406 Bipolar Disorder -ABCB1, ABCG2, ANKK1, CYP1A2, CYP2C9, CYP2D6, CYP3A4, CYP3A5, COMT, DRD1, GABRA6, HTR2A, MTHFR, UGT1A1, UGT2B7
3107 Congestive Heart Failure - ABCB1	3407 Depressive Disorder & Major Depressive Disorder -ABCB1, ADRA2A, ANKK1, COMT, CYP1A2, CYP2B6, CYP2C19, CYP2C9, CYP2D6, CYP3A4, CYP3A5, DRD4, GABRP, GRIK4, HTR2A, HTR2C, MTHFR, UGT1A1)
3108 Antiarrhythmics - CYP2D6	3408 Epilepsy -ABCB1, ABCG2, ANKK1, CYP1A2, CYP2C19, CYP2C9, CYP3A4, CYP3A5, GABRA6, UGT2B7
3109 Antihypertensives - ABCB1, CYP2D6, CYP2C9, MTHFR, SLOC1B1	3409 Parkinson's Disease -COMT
	3410 Schizophrenia -ABCB1, ANKK1, COMT, CYP1A2, CYP2C9, CYP2D6, CYP3A4, CYP3A5, DRD1, HTR2A, HTR2C, MTHFR)
	3411 Fibromyalgia -ABCB1, ADRA2A, ANKK1, COMT, CYP1A2, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, DBH, GABRP, HTR2A, OPRM1, UGT1A1, UGT2B7)
	3412 Post-Traumatic Stress Disorder (PTSD) - ABCB1, ABCG2, ANKK1, COMT, CYP1A2, CYP2B6, CYP2C19, CYP2C9, CYP2D6, CYP3A4, CYP3A5, DRD1, GABRP, HTR2A, UGT1A1, UGT2B7)
Malignant Disease	Immunology / Immune Modulation
3301 Alkaloids -ABCB1	3601 Transplantation -ABCB1, CYP2B6, CYP2C19, CYP2C9, CYP3A4, CYP3A5, MTHFR, SLC01B1, TPMT
3302 Alkylating Agents -CYP2B6, CYP2C19, CYP3A4, MTHFR, SLC01B1, TPMT	3602 Rheumatoid Arthritis -ABCB1, ABCG2, CYP1A2, MTHFR, SLC01B1
3303 Antimetabolites -ABCB1, ABCG2, MTHFR, SLC01B1, TPMT	3603 Type-II Diabetes -CYP2C8, CYP2C9, SLC01B1
3304 Anthracyclines -ABCB1, CYP2B6, CYP2C19, SLC01B1	3604 Gastritis and Colitis -ABCB1, CYP2C19, CYP3A4, CYP3A5
3305 Kinase Inhibitors -ABCB1, ABCG2, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, SLC01B1)	3605 Inflammation -ABCB1, CYP2C9, COMT, DBH, OPRM1
3306 Platinum Derivatives -ABCB1, ABCG2, CYP3A5, MTHFR, TPMT	3606 Systemic Lupus Erythematosus -CYP2B6, CYP2C19, CYP3A4, MTHFR, SLC01B1, TPMT
3307 Steroid Hormone Inhibitors -ABCB1, CYP2B6, CYP2C19, CYP2D6, CYP3A4	3607 Gout -ABCG2
3308 Taxanes -ABCB1, CYP2C8, CYP3A4, CYP3A5, SLC01B1	3608 Antihistamines -ABCB1
3309 Topoisomerase Inhibitors -ABCB1, SLOC1B1, UGT1A1	3609 Antiasthmatics -CYP2C9
3310 Uracil Derivatives -ABCB1, ABCG2, DPYD, MTHFR, SLC01B1	
3311 Antiemetics -ABCB1, CYP2D6, CYP3A5	
Other	Infectious Disease
3701 Anaesthesiology -MTHFR	
3702 Beta Thalassemia -CYP1A2, UGT1A1	3501 HIV/AIDS -ABCB1, ABCG2, APOE, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, UGT1A1
3703 Narcolepsy -ABCB1	3502 Antifungals and Antibiotics -ABCB1, CYP2B6, CYP2C9, CYP2C19, CYP3A4, SLC01B1
3704 Contraception -CYP2C9, F2, F5, MTHFR	3503 Anti-Mycobacterials -ABCB1, CYP2B6, SLC01B1
3705 Erectile Dysfunction -CYP3A4, CYP3A5	
3706 Bladder Control -CYP2D6, CYP3A4, CYP3A5	
3707 Bladder Incontinence -CYP2D6 CYP3A4, CYP3A5	
3711 Endometriosis - SLC01B1, CYP3A4, CYP2D6	