Medical Diagnostic Laboratories

Test Menu: Bacteriology

Test No.	Test Name
BACTERIOLOGY: WHOLE BLOOD - YELLOW TOP TUBE (ACD SOLUTION A)	
149	*Actinomyces spp. group 1* by Real-Time PCR
369	*Acinetobacter baumannii* complex by Real-Time PCR
147	*Bacteroides ureolyticus* by Real-Time PCR
326	*Bartonella bacilliformis* by Real-Time PCR
325	*Bartonella clarridgeiae* by Real-Time PCR
339	*Bartonella elizabethae* by Real-Time PCR
317	*Bartonella henselae* by Real-Time PCR
342	*Bartonella quintana* by Real-Time PCR
356	*Bartonella* species (*B. henselae, B. quintana*) by Real-Time PCR
359	*Brucella* species (*B. abortus, B. canis, B. melitensis, B. ovis, and B. suis*) by Real-Time PCR
105	*Chlamydia trachomatis* by Real-Time PCR
364	*Chlamydiales* species (*Chlamydophila pneumoniae, Chlamydophila psittaci*, and *Chlamydia trachomatis*) by Real-Time PCR
319	*Chlamydophila pneumoniae* by Real-Time PCR
361	*Chlamydophila psittaci* by Real-Time PCR
360	*Francisella* species (*F. tularensis, F. holarctica*) by Real-Time PCR
310	*Helicobacter pylori* by Real-Time PCR
318	*Legionella pneumophila* by Real-Time PCR
158	*Listeria monocytogenes* by Real-Time PCR
332	*Mycoplasma fermentans* by Real-Time PCR
301	Mycoplasma general by Qualitative PCR
130	*Mycoplasma hominis* by Real-Time PCR
335	*Mycoplasma penetrans* by Real-Time PCR
336	*Mycoplasma pneumoniae* by Real-Time PCR
167	*Neisseria gonorrhoeae* by Real-Time PCR (*Reflex to antibiotic resistance by Molecular Analysis)
362	*Prevotella* species Group 1 (*P. bivia, P. disiens, P. intermedia, P. melaninogenica*) by Real-Time PCR
363	*Prevotella* species Group 2 (*P. corporism, P. albensis*) by Real- Time PCR
151	*Staphylococcus saprophyticus* by Real-Time PCR
308	*Toxoplasma gondii* by Real-Time PCR
110	*Treponema pallidum* (syphilis) by Real-Time PCR
320	*Ureaplasma urealyticum* by Real-Time PCR (*Reflex to antibiotic resistance by Molecular Analysis)

Test No.	Test Name
BACTERIOLOGY: SERUM - SERUM SEPARATOR (SST) TUBE	
376	*Bartonella henselae* IgG by ELISA (serum required)
327	*Chlamydophila pneumoniae* IgG/IgM by ELISA (serum required)
340	*Mycoplasma pneumoniae* IgG/IgM by ELISA (serum required)

Test Menu: Virology

Test No.	Test Name
VIROLOGY: WHOLE BLOOD - YELLOW TOP TUBE (ACD SOLUTION A)	
222	Adenovirus by Real-Time PCR
434	Colorado Tick Fever virus by Real-Time PCR
288	Coxsackie virus A & B by Sanger Sequencing
207	Cytomegalovirus (CMV) by Real-Time PCR
270	Dengue viruses 1-4 by Real-Time PCR
269	Eastern Equine Encephalitis virus by Real-Time PCR
205	Epstein-Barr virus (EBV) by Real-Time PCR
436	Heartland virus (Phlebovirus) by Real-Time PCR
126	Herpes subtype (HSV-1, HSV-2) by Real-Time PCR
219	Human herpesvirus-6 (HHV-6) Variants A & B by Real-Time PCR
263	Human herpesvirus-7 (HHV-7) by Real-Time PCR
221	Human herpesvirus-8 (HHV-8) by Real-Time PCR
203	Human T-lymphotropic virus I (HTLV-I) by Real-Time PCR
266	LaCrosse Encephalitis virus by Real-Time PCR
223	Parvovirus by Real-Time PCR
138	Polyomavirus BK by Real-Time PCR
139	Polyomavirus JC by Real-Time PCR
264	St. Louis Encephalitis virus by Real-Time PCR
215	Varicella-zoster virus (VZV) by Real-Time PCR
265	Western Equine Encephalitis virus by Real-Time PCR

Test No.	Test Name
VIROLOGY: SERUM - SERUM SEPARATOR (SST) TUBE	
233	CMV IgG/IgM by ELISA (serum required)
231	EBV-EA-D IgG/IgM by ELISA (serum required)
230	EBV-EBNA-1 IgG/IgM by ELISA (serum required)
229	EBV-VCA IgG/IgM by ELISA (serum required)
257	HSV-1 IgG by ELISA (serum required)
258	HSV-2 IgG by ELISA (serum required)
238	Human herpesvirus-6 (HHV-6) IgG by ELISA (serum required)

Test Menu

Test No.	Test Name
MYCOLOGY: WHOLE BLOOD - YELLOW TOP TUBE (ACD SOLUTION A)	
553	*Aspergillus fumigatus* by Real-Time PCR
551	*Candida albicans* by Real-Time PCR
576	*Candida dubliniensis* by Real-Time PCR
559	*Candida glabrata* by Real-Time PCR
578	*Candida kefyr* by Real-Time PCR
566	*Candida krusei* by Real-Time PCR
577	*Candida lusitaniae* by Real-Time PCR
558	*Candida parapsilosis* by Real-Time PCR
557	*Candida tropicalis* by Real-Time PCR
550	*Pneumocystis jirovecii (P. carinii)* by Real-Time PCR
555	Trichosporon by Qualitative PCR

Test Menu - Vector-Borne Diseases

Test No.	Test Name
TICK-BORNE DISEASES: WHOLE BLOOD - YELLOW TOP TUBE (ACD SOLUTION A)	
Anaplasmosis & Ehrlichiosis	
411	*Ehrlichia chaffeensis* (HME) & *Anaplasma phagocytophilum* (HGE)
456	*Ehrlichia ewingii* (HME) by Real-Time PCR
457	*Ehrlichia muris* sub. *eauclairensis* by Real-Time PCR
Babesiosis	
431	*Babesia duncani* (WA-1) by Real-Time PCR
410	*Babesia microti* by Real-Time PCR
Borreliosis - Lyme disease	
424	*Borrelia afzelii* (Europe) by Real-Time PCR
305	*Borrelia burgdorferi* (United States) by Real-Time PCR
425	*Borrelia garinii* (Europe) by Real-Time PCR
449	*Borrelia mayonii* (United States) by Real-Time PCR
Borreliosis - Southern Tick-associated Rash Illness (STARI)	
430	*Borrelia lonestari* by Real-Time PCR
Borreliosis - Tick-borne Relapsing Fever	
450	*Borrelia hermsii* by Real-Time PCR
443	*Borrelia miyamotoi* by Real-Time PCR
451	*Borrelia parkeri* by Real-Time PCR
445	*Borrelia turicatae* by Real-Time PCR
Spotted Fever Group Rickettsiosis	
448	*Rickettsia parkeri* by Real-Time PCR
452	*Rickettsia philipii* (364D) by Real-Time PCR
447	*Rickettsia rickettsii* by Real-Time PCR
446	*Rickettsia* species (Rickettsiosis) by Real-Time PCR
Tick-borne Viruses	
277	Bourbon Virus by Real-Time PCR
434	Colorado Tick Fever virus by Real-Time PCR
436	Heartland virus (Phlebovirus) by Real-Time PCR
Tularemia	
360	*Francisella* species (*F. tularensis, F. holarctica*) by Real-Time PCR
MOSQUITO-BORNE VIRUSES	
270	Dengue viruses 1-4 by Real-Time PCR
269	Eastern Encephalitis virus by Real-Time PCR
266	LaCrosse Encephalitis virus by Real-Time PCR
264	St. Louis Encephalitis virus by Real-Time PCR
265	Western Equine Encephalitis virus by Real-Time PCR
FLEA, FLY, LOUSE, MITE, BUG & TICK-BORNE DISEASE	
326	*Bartonella bacilliformis* by Real-Time PCR
325	*Bartonella clarridgeiae* by Real-Time PCR
339	*Bartonella elizabethae* by Real-Time PCR
317	*Bartonella henselae* by Real-Time PCR
342	*Bartonella quintana* by Real-Time PCR
453	*Rickettsia akari* (house mouse mite) by Real-Time PCR
455	*Trypanosoma cruzi* by Real-Time PCR

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Test Menu: Vector-Borne Diseases

Test No.	Test Name
TICK-BORNE DISEASES: SERUM - SERUM SEPARATOR (SST) TUBE	
Borreliosis - Lyme disease	
427	Lyme disease (Combined IgG/IgM) by ELISA (serum required)
417	Lyme disease C6 Peptide by ELISA (serum required)
313	Lyme disease by Western blot (IgG/IgM) (serum required)
Tick-borne Viruses	
281	Tick-borne Encephalitis virus IgG/IgM by ELISA (serum required)
MOSQUITO-BORNE VIRUSES	
280	Chikungunya virus IgG/IgM by ELISA (serum required)
279	Dengue virus IgG/IgM by ELISA (serum required)
283	Japanese Encephalitis virus IgG/IgM by ELISA (serum required)
FLEA, FLY, LOUSE, MITE, BUG & TICK-BORNE DISEASE	
355	*Bartonella henselae* IgG/IgM by ELISA (serum required)
454	*Trypanosoma cruzi* (Chagas disease) IgG by ELISA (serum required)

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Test Menu: BRCA & Genetic Carrier Screening

Test No.	Test Name
BRCA: WHOLE BLOOD - YELLOW TOP TUBE (ACD SOLUTION A)	
2600	Breast Cancer High Risk Extended Panel Plus: 15 genes (BRCA1, BRCA2, CDH1, PTEN, TP53, STK11, ATM, CHEK2, PALB2, BARD1, BRIP1, RAD51C, RAD51D, NF1, NBN) by Gene Sequencing with BRCA1/2 Deletion/Duplication Analysis
1279	Lynch Syndrome Gene Panel: 5 Genes (EPCAM*, MLH1, MSH2, MSH6, PMS2) by Gene Sequencing with Deletion/Duplication Analysis (*Deletion/Duplication Analysis of Exon8-9 only)
2601	BRCA1/2: Comprehensive BRCA Analysis by Gene Sequencing with Deletion/Duplication Analysis
1222	BRCA1/2: Ashkenazi Jewish 3-site Mutation Analysis
1236	BRCA1/2: Ashkenazi Jewish 3-site Mutation Analysis (Reflex to Breast Can cer High Risk Extended Panel Plus) (* If the Ashkenazi Jewish 3-site Mutation Analysis is negative, reflex to 2600.)
1224	Gene Specific Site Analysis: Specify Gene: _____ Variant (mutation):_____

Test No.	Test Name
GENETIC CARRIER SCREENING	
1231	Cystic Fibrosis Core Test by Next Generation Sequencing (23 major CFTR mutations approved by ACOG/ACMG)
1232	Cystic Fibrosis Comprehensive Test by Next Generation Sequencing (191 variants of the CFTR gene, including the 23 major mutations approved by ACOG/ACMG)

Test No.	Test Name
HEREDITARY GENETICS	
2605	Hereditary Melanoma Cancer Panel (10 genes) by Next Generation Sequencing (BAP1, BRCA1, BRCA2, CDK4, CDKN2A, MITF, POT1, PTEN, RB1, TP53)
2603	Hereditary Prostate Cancer Panel (18 genes) by Gene Sequencing and Deletion/Duplication Analysis (ATM, BRCA1, BRCA2, BRIP1, CHEK2, EPCAM, FANCA, HOXB13,MITF, MLH1, MSH2, MSH6, NBN, PALB2, PMS2, RAD51C, RAD51D, TP53)
2604	Hereditary Renal Cancer Panel (19 genes) by Gene Sequencing and Deletion/Duplication Analysis (BAP1, EPCAM, FH, FLCN, MET, MITF, MLH1, MSH2, MSH6, PALB2, PMS2, PTEN, SDHB, SDHC, SDHD, TP53, TSC1, TSC2, VHL)
2606	Hereditary Colorectal Cancer Panel: 26 genes (ATM, APC, AXIN2, BLM, BMPR1A, CDH1, CHEK2, EPCAM*, FLCN, GALNT12, GREM1, MLH1, MSH2, MSH3, MSH6, MUTYH, NTHL1, PMS2, POLD1, POLE, PTEN, RNF43, RPS20, SMAD4, STK11, TP53) by Gene Sequencing with Deletion/Duplication Analysis
2607	Hereditary Gastric Cancer Panel: 15 genes (APC, BMPR1A, CDH1, EPCAM*, MLH1, MSH2, MSH6, NF1, PMS2, SDHB, SDHC, SDHD, SMAD4, STK11, TP53) by Gene Sequencing with Deletion/Duplication Analysis
2608	Hereditary Pancreatic Cancer Panel: 16 genes (APC, ATM, BMPR1A, BRCA1, BRCA2, CDK4, CDKN2A, EPCAM*, MLH1, MSH2, MSH6, PALB2, PMS2, SMAD4, STK11, TP53) by Gene Sequencing with Deletion/Duplication Analysis
2602	Lynch Syndrome Gene Panel: 5 Genes (EPCAM*, MLH1, MSH2, MSH6, PMS2) by Gene Sequencing with Deletion/Duplication Analysis

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Test Menu: Pharmacogenomics

Test No.	Test Name
PHARMACOGENOMICS: WHOLE BLOOD - YELLOW TOP TUBE (ACD SOLUTION A)	
CARDIOLOGY	
3101	Antiplatelet Agents - Aspirin, Cilostazol, Clopidogrel, Prasugrel, Ticagrelor (ABCB1, CYP1A2, CYP2B6, CYP2C9, CYP2C19, CYP2D6, CYP3A4, CYP3A5, ITGB3, SLOC1B1)
3102	Statins -Atorvastatin, Fluvastatin, Lovastatin, Pitavastatin, Pravastatin, Rosuvastatin, Simvastatin (ABCB1, ABCG2, APOE, CYP2C9, CYP2D6, CYP3A4, CYP3A5, KIF6, MTHFR, SLCO1B1)
3103	Anticlotting Agents - Acenocoumarol, Fluindione, Phenprocoumon, Warfarin (CYP2C9, CYP2C19, CYP2D6, VKORC1)
3104	Thrombophilia - Susceptibility to Factor II, Factor V Leiden (F2, F5, MTHFR)
3105	Calcium Channel Blockers - Amlodipine, Nifedipine (CYP3A4, CYP3A5)
3106	Beta Blockers - Bufuralol, Carvedilol, Metoprolol, Propranalol, Talinolol, Timolol (ABCB1, CYP2D6, UGT1A1)
3107	Congestive Heart Failure - Digoxin (ABCB1)
3108	Antiarrhythmics - Flecainide, Propafenone (CYP2D6)
3109	Antihypertensives - Benazepril, Debrisoquine, Enalapril, Irbesartan, Losartan, Olmesartan, Verapamil (ABCB1, CYP2D6, CYP2C9, MTHFR, SLOC1B1)
PAIN MANAGEMENT	
3201	Pain Management-General-Alfentanil, Buprenorphine, Codeine, Fentanyl, Hydrocodone, Ketamine, Lornoxicam, Methadone, Morphine, Opioids, Oxycodone, Sumatriptan, Tramadol (ABCB1, COMT, CYP2B6, CYP2C9, CYP2D6, CYP3A4, DBH, OPRD1, OPRM1)
3202	Sedatives & Relaxants, including muscle relaxants-Carisoprodol, Dextromethorphan, Midazolam, Propofol, Rocuronium, Tolperisone (CYP2B6, CYP2C19, CYP2C9, CYP2D6, CYP3A4, CYP3A5, SLCO1B1)
MALIGNANT DISEASE	
3301	Alkaloids-Vincristine (ABCB1)
3302	Alkylating Agents-Cyclophosphamide (CYP2B6, CYP2C19, CYP3A4, MTHFR, SLCO1B1, TMPT)
3303	Antimetabolites-Cytarabine, Fludarabine, Mercaptopurine, Methotrexate, Silibinin (ABCB1, ABCG2, MTHFR, SLCO1B1, TPMT)
3304	Anthracyclines-Anthracyclines (gen), Doxorubicin, Epirubicin, Idarubicin (ABCB1, CYP2B6, CYP2C19, SLCO1B1)
3305	inase Inhibitors-Gefitinib, Icotinib, Imatinib, Sorafenib, Sunitinib (ABCB1, ABCG2, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, SLCO1B1)
3306	Platinum Derivatives-Carboplatin, Cisplatin, Oxaliplatin, Platinum Compounds (gen) (ABCB1, ABCG2, CYP3A5, MTHFR, TPMT)
3307	Steroid Hormone Inhibitors-Exemestane, Mitotane, Tamoxifen (ABCB1, CYP2B6, CYP2C19, CYP2D6, CYP3A4)
3308	Taxanes-Docetaxel, Paclitaxel, Taxanes (gen) (ABCB1, CYP2C8, CYP3A4, CYP3A5, SLCO1B1)
3309	Topoisomerase Inhibitors-Etoposide, Irinotecan (ABCB1, SLOC1B1, UGT1A1)
3310	Uracil Derivatives-Capecitabine, Fluorouracil, Folfox, Folox, Leucovorin, Tegafur, Xelox (ABCB1, ABCG2, DPYD, MTHFR, SLCO1B1)
3311	Antiemetics-Dolasetron, Granisetron, Ondansetron (ABCB1, CYP2D6, CYP3A5)
PSYCHTROPIC DISORDERS (INCLUDING ADDICTION)	
3401	**Addiction to Alcohol, Cocaine, Heroin, Opioids, Tobacco** - Anti-addiction (Nicotine), Anti-addiction (Opiods), Buprenorphine, Bupropion, Ethanol, Disulfiram, Heroin, Levodopa, Methadone, Naloxone, Naltrexone, Nicotine, Suboxone (ABCB1, ANKK1, COMT, CYP2B6, CYP2C19, CYP2D6, CYP3A4, DBH, MTHFR, OPRM1)
3402	**ADD/ADHD** - Atomoxetine, Bupropion, Dextroamphetamine, Imipramine, Methylphenidate, Modafinil, Nortriptyline, (ANKK1, ABCB1, ADRA2A, CYP2B6, CYP2C19, CYP2D6, DRD1)
3403	**Alzheimer's Disease -** Donepezil, Galantamine, Olanzapine, Risperidone (ABCB1, ANKK1, CYP1A2, CYP2C9, CYP2D6, CYP3A5, HTR2A, MTHFR)

Medical Diagnostic Laboratories

Test Menu: Pharmacogenomics

Test No.	Test Name
3404	**Anxiety, Insomnia, Severe Agitation** - Bupropion, Desvenlafaxine, Dexmedetomidine, Duloxetine, Escitalopram, Lorazepam,Midazolam, Oxazepam, Venlafaxine, Vilazodone (ABCB1, ADRA2A, ANKK1, COMT, CYP1A2, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, GABRP, HTR2A, UGT1A1, UGT2B15)
3405	**Autism Spectrum Disorders** - Aripiprazole, Quetiapine, Risperidone (ABCB1, ANKK1, COMT, CYP2D6, CYP3A4, CYP3A5, HTR2A)
3406	**Bipolar Disorder -** Aripiprazole, Lamotrigine, Lithium, Olanzapine, Oxcarbazepine, Quetiapine, Valproic acid, Vilazodone (ABCB1, ABCG2, ANKK1, CYP1A2, CYP2C9,CYP2D6, CYP3A4, CYP3A5, COMT, DRD1, GABRA6, HTR2A, MTHFR, UGT1A1, UGT2B7)
3407	**Depressive Disorder & Major Depressive Disorder** - Amitriptyline,Antidepressants (gen), Antipsychotics (gen), Aripiprazole, Bupropion, Citalopram, Clomipramine, Desipramine, Desvenlafaxine, Diazepam, Doxepin, Duloxetine, Escitalopram, Fluoxetine, Fluvoxamine, Imipramine, Maprotiline, Milnacipran, Mirtazapine, Nortriptyline, Olanzapine, Opipramol, Paroxetine, Quetiapine, Sertraline, SSRIs (gen), Trimipramine,Venlafaxine, Vilazodone, Vortioxetine (ABCB1, ADRA2A, ANKK1, COMT, CYP1A2, CYP2B6, CYP2C19, CYP2C9, CYP2D6, CYP3A4, CYP3A5, DRD4, GABRP, GRIK4, HTR2A, HTR2C, MTHFR, UGT1A1)
3408	**Epilepsy** - Antiepileptics (gen), Brivaracetam, Carbamazepine, Clobazam, Lamotrigine, Mephenytoin, Oxcarbazepine, Phenobarbital, Phenytoin, Valproic acid (ABCB1, ABCG2, ANKK1, CYP1A2, CYP2C19, CYP2C9, CYP3A4, CYP3A5, GABRA6, UGT2B7)
3409	**Parkinson's Disease** - Entacapone (COMT)
3410	**Schizophrenia** - Antipsychotics (gen), Aripiprazole, Chlorpromazine, Clozapine, Fluphenazine, Haloperidol, Iloperidone, Nemonapride, Olanzapine, Quetiapine, Risperidone, Thioridazine, Trifluoperazine, Zuclopenthixol (ABCB1, ANKK1, COMT, CYP1A2, CYP2C9, CYP2D6, CYP3A4, CYP3A5, DRD1, HTR2A, HTR2C, MTHFR)
3411	**Fibromyalgia** - Amitryptyline, Atomoxetine, Buproprion, Carbamazepine, Carisoprodol, Codeine, Desipramine, Desvenlafaxine, Dextromethorphan, Duloxetine, Escitalopram, Fluoxetine, Milnacipran, Naltrexone, Nortriptyline, Prednisone, Quetiapine, Tramadol, Venlafaxine (ABCB1, ADRA2A, ANKK1, COMT, CYP1A2, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, DBH, GABRP, HTR2A, OPRM1, UGT1A1, UGT2B7)
3412	**Post-Traumatic Stress Disorder (PTSD)** - Aripiprazole, Amitriptyline, Bupropion, Buspirone, Desvenlafaxine, Dronabinol, Duloxetine, Fluoxetine, Fluvoxamine, Guanfacine, Hydroxyzine, Ketamine, Lamotrigine,Mirtazapine, Nefazodone, Paroxetine, Propranolol, Quetiapine, Risperidone, Sertraline, Trazodone, Valproic Acid, Venlafaxine, Vilazodone, Zolpidem (ABCB1, ABCG2, ANKK1, COMT, CYP1A2, CYP2B6, CYP2C19, CYP2C9, CYP2D6, CYP3A4, CYP3A5, DRD1, GABRP, HTR2A, UGT1A1, UGT2B7)
INFECTIOUS DISEASE	
3501	**HIV/AIDS** - Antivirals (HIV), Atazanavir, Dolutegravir, Efavirenz, Etravirine, Indinavir, Lamivudine, Lopinavir, Nelfinavir, Nevirapine, Ritonavir, Tenofovir, Zidovudine (ABCB1, ABCG2, APOE, CYP2B6, CYP2C19, CYP2D6, CYP3A4, CYP3A5, UGT1A1)
3502	**Antifungals and Antibiotics** - Daptomycin, Dicloxacillin, Erythromycin, Rifampicin, Sulfonamides (gen), Voriconazole (ABCB1, CYP2B6, CYP2C9, CYP2C19, CYP3A4, SLCO1B1)
3503	**Anti-Mycobacterials** - Anti-Mycobacterials (TB), Ethambutol, Isoniazid, Pyrazinamide, Rifampicin (ABCB1, CYP2B6, SLCO1B1)
IMMUNOLOGY / IMMUNE MODULATION	
3601	Transplantation-Busulfan, Cyclophosphamide, Cyclosporine, Everolimus, Methylprednisone, Prednisone/Prednisolone, Sirolimus, Tacrolimus (ABCB1, CYP2B6, CYP2C19, CYP2C9, CYP3A4, CYP3A5, MTHFR, SLCO1B1, TMPT)
3602	Rheumatoid Arthritis-Leflunomide, Methotrexate, Sulfasalazine (ABCB1, ABCG2, CYP1A2, MTHFR, SLCO1B1)
3603	Type-II Diabetes-Repaglinide, Sulfoureas (gen), Urea Derivatives (gen) (CYP2C8, CYP2C9, SLCO1B1)
3604	Gastritis and Colitis-Esomeprazole, Lansoprazole, Loperamide, Omeprazole, Pantoprazole, Rabeprazole, Tacrolimus (ABCB1, CYP2C19, CYP3A4, CYP3A5)
3605	Inflammation-Anti-inflammatories (gen), Celecoxib, Dexamethasone, Diclofenac, Flurbiprofen, Lornoxicam, Meloxicam, Prednisone/Prednisolone (ABCB1, CYP2C9, COMT, DBH, OPRM1)
3606	Systemic Lupus Erythematosus-Cyclophosphamide (CYP2B6, CYP2C19, CYP3A4, MTHFR, SLCO1B1, TMPT)
3607	Gout-Allopurinol (ABCG2)
3608	Antihistamines-Fexofenadine (ABCB1)
3609	Antiasthmatics-Zafirlukast (CYP2C9)

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Test Menu: Pharmacogenomics

Test No.	Test Name	
OTHER		
3701	Anaesthesiology-Nitrous Oxide (MTHFR)	
3702	Beta Thalassemia-Deferasirox (CYP1A2, UGT1A1)	
3703	Narcolepsy-Modafinil (ABCB1)	
3704	Contraception-Oral Contraceptives (gen) (CYP2C9, F2, F5, MTHFR)	
3705	Erectile Dysfunction-Sildenafil, Vardenafil (CYP3A4, CYP3A5)	
3706	Bladder Control-Tolterodine (CYP2D6)	
DERMATOLOGIC		
4048	Azathioprine	
3837	Cyclosporine	
3910	Methotrexate	
3950	Prednisone/Prednisolone	
3861	Erythromycin	
3840	Daptomycin	
3849	Dicloxacillin	
3957	Rifampicin	
3970	Sulfonamides	
3993	Voriconazole	
UROLOGIC		
3707	**Bladder Incontinence** - Darifenacin, Fesoterodine, Mirabegron, Tamsulosin, Tolterodine (CYP2D6, CYP3A4, CYP3A5)	
3708	**Bladder Cancer** – Cisplatin, Erdafitinib (ABCB1, CYP2C9, CYP3A4, MTHFR, TPMT)	
3709	**Prostate Cancer** – Abiraterone, Apalutamide, Cabazitaxel, Doctaxel, Enzalutamide, Flutamide, Goserelin, Leuprolide, Nilutamide, Prednisone/Prednisolone (ABCB1, CYP1A2, CYP2C19, CYP2D6, CYP3A4, CYP3A5, CYP2C8, SLCO1B1)	
INHERITED CARDIAC CONDITIONS / CARDIOVASCULAR DISEASE		
1267	Long QT Syndrome by Next Generation Sequencing (KCNQ1, KCNH2, SCN5A, KCNE1, KCNE2, KCNJ2, CACNA1C, CAV3, SCN4B, AKAP9, SNTA1, ANK2, CALM1, CALM2, KCNJ5)	
1263	**Thrombophilia Panel**	
	1264	Factor II (F2 20210 G>A)
	1265	Factor V Leiden (F5 1601 G>A)
	1266	MTHFR Mutations (MTHFR 677 C>T, MTHFR 1298 A>C)