





ARUP Test Code: 3004255

Collection Date: 11/18/2024 Received in lab: 11/18/2024 Completion Date: 11/19/2024

CYP PANEL Specimen Whole Blood

Patient Results

Gene	Genotype	Flag	Phenotype	Flag
CYP2C19	*1/*2		Intermediate	A
CYP2C8	*1/*2		See Note	A
CYP2C9	*1/*5		Intermediate	A
CYP2C Cluster	Heterozygous	A	See Note	A
CYP2D6	*1/*4		Intermediate	A
CYP3A4	*1/*22		Intermediate	A
CYP3A5	*1/*3		Intermediate	A
CYP2B6	*1/*6		Intermediate	A

CYP PANEL Interpretation

See Note

The following CYP2C19 allele(s) were detected: *1/*2. This result predicts the intermediate metabolizer phenotype.

Recommendation: Guidelines for genotype-based dosing are published by the Clinical Pharmacogenetics Implementation Consortium (CPIC) and can be found at: https://cpicpgx.org/ and https://www.pharmgkb.org/.

The following CYP2C8 alleles were detected: *1/*2. The metabolizer phenotype is drug-dependent.

The following CYP2C9 allele(s) were detected: *1/*5. This result predicts the intermediate metabolizer phenotype, with an activity score of 1.5 of 2.

Recommendation: Guidelines for genotype-based dosing are published by the Clinical Pharmacogenetics Implementation Consortium (CPIC) and can be found at: https://cpicpgx.org/ and https://www.pharmgkb.org/.

One copy of the 2C cluster rs12777823 was detected. This variant is associated with reduced warfarin dose requirement in some individuals of African ancestry.

The following CYP2D6 allele(s) were detected: *1/*4. This result predicts the intermediate metabolizer phenotype with an activity score estimated at 1 of 2.









Patient:

Patient: | Date of Birth: | Visit Number (FIN): |

| Gender: F | Physician:

Recommendation: Guidelines for genotype-based dosing are published by the Clinical Pharmacogenetics Implementation Consortium (CPIC) and can be found at: https://cpicpgx.org/ and https://www.pharmgkb.org/.

The following CYP3A4 allele(s) were detected: *1/*22. This result predicts the intermediate metabolizer phenotype.

The following CYP3A5 allele(s) were detected: *1/*3. This result predicts the intermediate metabolizer phenotype.

Recommendation: Guidelines for genotype-based dosing are published by the Clinical Pharmacogenetics Implementation Consortium (CPIC) and can be found at: https://cpicpgx.org/ and https://www.pharmgkb.org/.

The following CYP2B6 alleles were detected: *1/*6. This result predicts the intermediate metabolizer phenotype.

Recommendation: Guidelines for genotype-based dosing are published by the Clinical Pharmacogenetics Implementation Consortium (CPIC) and can be found at: https://cpicpgx.org/ and https://www.pharmgkb.org/.

This result has been reviewed and approved by

Interpretive Comments

BACKGROUND INFORMATION: Cytochrome P450 Genotyping Panel

Characteristics: The cytochrome P450 (CYP) isozymes 2B6, 2C19, 2C8, 2C9, 2D6 and the CYP3A subfamily are involved in the metabolism of many drugs. Variants in the genes that code for CYP2B6, CYP2C19, CYP2C8, CYP2C9, CYP2D6, CYP3A4, and CYP3A5, and CYP2C cluster (rs12777823) loci, influence pharmacokinetics of respective substrates, and may predict or explain nonstandard dose requirements, therapeutic failure, or adverse reactions. Inheritance: Autosomal codominant.

Cause: Gene variants affect enzyme function.

Variants Tested:

(Variants are numbered according to the following transcripts:

CYP2C19 NM_000769, CYP2C8 NM_000770, CYP2C9 NM_000771, 2C

cluster rs12777823.

CYP2D6 M33388 sequence, CYP3A4 NM_017460 and CYP3A5 NM_000777,

CYP2B6 NM_000767).

*1: Indicative of no detected targeted variants and an assumption of functional allele.

CYP2C19*2: rs4244285, c.681G>A; rs12769205, c.332-23A>G

CYP2C19*3: rs4986893, c.636G>A CYP2C19*4A: rs28399504, c.1A>G

CYP2C19*4B: rs28399504, c.1A>G; rs12248560, c.-806C>T









Patient:

Patient: Date of Birth: | Gender: F | Physician: Patient Identifiers | Visit Number (FIN): CYP2C19*5: rs56337013, c.1297C>T CYP2C19*6: rs72552267, c.395G>A CYP2C19*7: rs72558186, c.819+2T>A CYP2C19*8: rs41291556, c.358T>C CYP2C19*9: rs17884712, c.431G>A CYP2C19*17: rs12248560, c.-806C>T CYP2C19*35: rs12769205, c.332-23A>G CYP2C8*2: rs11572103, c.805A>T CYP2C8*3: rs10509681, c.1196A>G CYP2C8*4: rs1058930, c.792C>G CYP2C rs12777823, g.96405502 G>A CYP2C9*2: rs1799853, c.430C>T CYP2C9*3: rs1057910, c.1075A>C CYP2C9*4: rs56165452, c.1076T>C CYP2C9*5: rs28371686, c.1080C>G CYP2C9*6: rs9332131, c.818del CYP2C9*8: rs7900194, c.449G>A CYP2C9*11: rs28371685, c.1003C>T CYP2C9*12: rs9332239, c.1465C>T CYP2D6*2: rs16947, g.2850C>T; rs1135840, g.4180G>C CYP2D6*2A: rs1080985, g.-1584C>G; rs16947, g.2850C>T; rs1135840, g.4180G>C CYP2D6*3: rs35742686, g.2549del CYP2D6*4: rs1065852, g.100C>T; rs3892097, g.1846G>A; rs1135840, g.4180G>C CYP2D6*5: gene deletion CYP2D6*6: rs5030655, g.1707del CYP2D6*7: rs5030867, g.2935A>C CYP2D6*8: rs5030865, g.1758G>T; rs16947, g.2850C>T; rs1135840, g.4180G>C CYP2D6*9: rs5030656, g.2615_2617del CYP2D6*10: rs1065852, g.100C>T; rs1135840, g.4180G>C CYP2D6*11: rs1080985, g.-1584C>G; rs201377835, g.883G>C; rs16947, g.2850C>T; rs1135840, g.4180G>C CYP2D6*13: a CYP2D7-derived exon 1 conversion CYP2D6*14: rs5030865, g.1758G>A; rs16947, g.2850C>T; rs1135840, a.4180G>C CYP2D6*15: rs774671100, g.137 138insT CYP2D6*17: rs28371706, g.1023C>T; rs16947, g.2850C>T; rs1135840, g.4180G>C CYP2D6*29: rs16947, g.2850C>T; rs59421388, g.3183G>A; rs1135840, a.4180G>C CYP2D6*35: rs769258, g.31G>A; rs16947, g.2850C>T; rs1135840, g.4180G>C; rs1080985, g.-1584C>G CYP2D6*36: a CYP2D6*10 carrying a CYP2D7-derived exon 9 conversion CYP2D6*36-*10: a CYP2D6*36 and a CYP2D6*10 in tandem CYP2D6*40: rs28371706, g.1023C>T, rs16947, g.2850C>T; rs1135840, g.4180G>C; rs72549356, g.1863_1864ins TTTCGCCCCTTTCGCCCC CYP2D6*41: rs16947, g.2850C>T; rs28371725, g.2988G>A; rs1135840,









Patient:

Patient: | Gender: F | Physician: Patient Identifiers: | Visit Number (FIN): | Gender: F | Physician: | Company | Co

g.4180G>C

CYP2D6*42: rs16947, g.2850C>T; rs1135840, g.4180G>C; rs72549346,

g.3260 3261insGT

CYP2D6*49: rs1065852, g.100C>T; rs1135822, g.1611T>A; rs1135840,

g.4180G>C

CYP2D6*69: rs1065852, g.100C>T; rs16947, g.2850C>T; rs28371725,

g.2988G>A; rs1135840, g.4180G>C

CYP2D6*114: rs1065852, g.100C>T; rs5030865, g.1758G>A; rs16947,

g.2850C>T; rs1135840, g.4180G>C DUP: complete gene duplications

CYP2B6*4: rs2279343, c.785A>G

CYP2B6*6: rs3745274, c.516G>T; rs2279343, c.785A>G

CYP2B6*7: rs3745274, c.516G>T; rs2279343, c.785A>G; rs3211371,

c.1459C>T

CYP2B6*9: rs3745274, c.516G>T CYP2B6*18: rs28399499, c.983T>C CYP2B6*22: rs34223104, c.-82T>C

CYP2B6*36: rs34223104, c.-82T>C; rs3745274, c.516G>T; rs2279343,

c.785A>G

CYP3A4*1A: rs2740574, c.-392G>A CYP3A4*22: rs35599367, c.522-191C>T

CYP3A5*3: rs776746, c.219-237A>G CYP3A5*6: rs10264272, c.624G>A CYP3A5*7: rs41303343, c.1035dup

Methodology: Polymerase chain reaction (PCR) and fluorescence monitoring. Sequencing is only performed if needed to characterize a duplicated CYP2D6 gene.

Analytic Sensitivity and Specificity: Greater than 99 percent.

Limitations: Only the targeted variants will be detected by this panel, and assumptions about phase and content are made to assign alleles. Publicly available sources such as the www.pharmvar.org or www.pharmgkb.org provide guidance on phenotype predictions and allele frequencies. A combination of the CYP2D6*5 (gene deletion) and a CYP2D6 gene duplication cannot be specifically identified; however, this combination is not expected to adversely affect the phenotype prediction. The assay used to detect *40 allele, cannot distinguish between insertions of 1 or 2 copies; it also cannot distinguish between heterozygous and homozygous mutant samples due to unavoidable cross reactivity with the wild type sequence. Additional assays will be used to help differentiate the *40 allele from other CYP2D6 star alleles. Diagnostic errors can occur due to rare sequence variations. Risk of therapeutic failure or adverse reactions with gene substrates may be affected by genetic and nongenetic factors that are not detected by this test. This result does not replace the need for therapeutic drug or clinical monitoring.

Please note the information contained in this report does not









Patient:

Patient: | Date of Birth: | Date of Birth: | Visit Number (FIN): | Date of Birth: | Date of

| Gender: F | Physician:

contain medication recommendations, and should not be interpreted as recommending any specific medications. Any dosage adjustments or other changes to medications should be evaluated in consultation with a medical provider.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

Counseling and informed consent are recommended for genetic testing. Consent forms are available online.

CYP PANEL, GeneDose Link

INTERPRETIVE INFORMATION: CYP PANEL, GeneDose Link

GeneDose LIVE content is provided by Coriell Life Sciences and not by ARUP Laboratories.

Any dosage adjustments or other changes to medications should be evaluated in consultation with a medical provider.









Patient:

Patient:	Date of Birth:	Gender: F Physician:
Patient Identifiers:	Visit Number (FIN):	

Test Information

The following tables list the available gene-drug pairs and genotype-based dosing published by the Clinical Pharmacogenetics Implementation Consortium (CPIC) and the FDA table of pharmacogenomic biomarkers in drug labeling.

Published CPIC guidelines

GUIDELINES	DRUGS	GENES
CYP2B6 and efavirenz	efavirenz	CYP2B6
CYP2C19 and Clopidogrel	clopidogrel	CYP2C19
	dexlansoprazole	
	esomeprazole	
CYP2C19 and Proton Pump Inhibitors	lansoprazole	CYP2C19
	omeprazole	
	pantoprazole	
	rabeprazole	
CYP2C19 and Voriconazole	voriconazole	CYP2C19
	aceclofenac	
	celecoxib	
	diclofenac	
	flurbiprofen	
	ibuprofen	
	indomethacin	
CYP2C9 and NSAIDs	lornoxicam	CYP2C9
	lumiracoxib	
	meloxicam	
	metamizole	
	nabumetone	
	naproxen	
	piroxicam	
	tenoxicam	
CYP2C9, VKORC1, CYP4F2 and Warfarin	warfarin	CYP2C9, CYP4F2, VKORC1
CYP2D6 and Atomoxetine	atomoxetine	CYP2D6
CYP2D6 and Ondansetron and Tropisetron	ondansetron	CYP2D6
	tropisetron	
CYP2D6 and Tamoxifen	tamoxifen	CYP2D6
	citalopram	
	escitalopram	\neg









Patient:

| Date of Birth: Patient: | Gender: F | Physician: Patient Identifiers: | Visit Number (FIN): fluvoxamine CYP2D6, CYP2C19 and Selective Serotonin Reuptake Inhibitors CYP2C19, CYP2D6 paroxetine sertraline amitriptyline clomipramine desipramine CYP2D6, CYP2C19 and Tricyclic Antidepressants doxepin CYP2C19, CYP2D6 imipramine nortriptyline trimipramine alfentanil buprenorphine codeine fentanyl hydrocodone CYP2D6, OPRM1, COMT, and Opioids COMT, CYP2D6, OPRM1 hydromorphone levomethadone methadone morphine naltrexone oxycodone remifentanil sufentanil tramadol CYP3A5 and Tacrolimus tacrolimus CYP3A5 capecitabine DPYD and Fluoropyrimidines fluorouracil DPYD tegafur atorvastatin fluvastatin lovastatin SLCO1B1, ABCG2, CYP2C9, and Statins pitavastatin ABCG2, CYP2C9, SLCO1B1 pravastatin rosuvastatin simvastatin azathioprine









Patient: Date of Birth: Patient Identifiers: Visit Number (FIN): Date of Birth: Patient Identifiers: Date of Birth: Date of Birt	Gender: F Physician:	
TPMT, NUDT15 and Thiopurines	mercaptopurine NUDT15, TPMT	
	thioguanine	









Patient: Patient Identifiers:

| Date of Birth: | Visit Number (FIN):

| Gender: F | Physician:

FDA Table of Pharmacogenomic Biomarkers in Drug Labeling

Drug	Therapeutic Area*	Biomarker†	Labeling Sections
Abrocitinib	Dermatology	CYP2C19	Dosage and Administration, Use in Specific Populations, Clinical Pharmacology
Amitriptyline	Psychiatry	CYP2D6	Precautions
Amoxapine	Psychiatry	CYP2D6	Precautions
Amphetamine	Psychiatry	CYP2D6	Clinical Pharmacology
Arformoterol	Pulmonary	CYP2D6	Clinical Pharmacology
Aripiprazole	Psychiatry	CYP2D6	Dosage and Administration, Use in Specific Populations, Clinical Pharmacology
Aripiprazole Lauroxil	Psychiatry	CYP2D6	Dosage and Administration, Use in Specific Populations, Clinical Pharmacology
Atomoxetine	Psychiatry	CYP2D6	Dosage and Administration, Warnings and Precautions, Adverse Reactions, Drug Interactions, Use in Specific Populations, Clinical Pharmacology
Avatrombopag	Hematology	CYP2C9	Clinical Pharmacology
Azathioprine	Rheumatology	ТРМТ	Dosage and Administration, Warnings, Precautions, Drug Interactions, Adverse Reactions, Clinical Pharmacology
Azathioprine	Rheumatology	NUDT15	Dosage and Administration, Warnings, Precautions, Adverse Reactions, Clinical Pharmacology
Belzutifan	Oncology	CYP2C19	Warnings and Precautions, Drug Interactions, Use in Specific Populations, Clinical Pharmacology
Brexpiprazole	Psychiatry	CYP2D6	Dosage and Administration, Use in Specific Populations, Clinical Pharmacology
Brivaracetam	Neurology	CYP2C19	Clinical Pharmacology
Bupropion	Psychiatry	CYP2D6	Clinical Pharmacology
Capecitabine	Oncology	DPYD	Warnings and Precautions, Clinical Pharmacology, Patient Counseling Information
Cariprazine	Psychiatry	CYP2D6	Clinical Pharmacology
Carisoprodol	Rheumatology	CYP2C19	Use in Specific Populations, Clinical Pharmacology
Carvedilol	Cardiology	CYP2D6	Drug Interactions, Clinical Pharmacology
Celecoxib	Rheumatology	CYP2C9	Dosage and Administration, Use in Specific Populations, Clinical Pharmacology
Cevimeline	Dental	CYP2D6	Precautions
Cisplatin	Oncology	TPMT	Adverse Reactions
Citalopram	Psychiatry	CYP2C19	Dosage and Administration, Warnings, Clinical Pharmacology









Patient: Patient Identifiers:	Date of Bi Visit Number (FIN):	irth:	Gender: F Physician:
Citalopram	Psychiatry	CYP2D6	Clinical Pharmacology
Clobazam	Neurology	CYP2C19	Dosage and Administration, Use in Specific Populations, Clinical Pharmacology
Clomipramine	Psychiatry	CYP2D6	Precautions
Clopidogrel	Cardiology	CYP2C19	Boxed Warning, Warnings and Precautions, Clinical Pharmacology
Clozapine	Psychiatry	CYP2D6	Dosage and Administration, Use in Specific Populations, Clinical Pharmacology
Codeine	Anesthesiology	CYP2D6	Boxed Warning, Warnings and Precautions, Use in Specific Populations, Patient Counseling Information
Darifenacin	Urology	CYP2D6	Clinical Pharmacology
Desipramine	Psychiatry	CYP2D6	Precautions
Desvenlafaxine	Psychiatry	CYP2D6	Clinical Pharmacology
Deutetrabenazine	Neurology	CYP2D6	Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology
Dexlansoprazole	Gastroenterology	CYP2C19	Drug Interactions, Clinical Pharmacology
Dextromethorphan and Quinidine	Neurology	CYP2D6	Warnings and Precautions, Clinical Pharmacology
Diazepam	Neurology	CYP2C19	Clinical Pharmacology
Donepezil	Neurology	CYP2D6	Clinical Pharmacology
Doxepin	Psychiatry	CYP2D6	Clinical Pharmacology
Doxepin	Psychiatry	CYP2C19	Clinical Pharmacology
Dronabinol	Gastroenterology	CYP2C9	Use in Specific Populations, Clinical Pharmacology
Drospirenone and Ethinyl Estradiol	Gynecology	CYP2C19	Clinical Pharmacology
Duloxetine	Psychiatry	CYP2D6	Drug Interactions
Efavirenz	Infectious Diseases	CYP2B6	Clinical Pharmacology
Elagolix	Gynecology	SLCO1B1	Clinical Pharmacology
Eliglustat	Inborn Errors of Metabolism	CYP2D6	Indications and Usage, Dosage and Administration, Contraindications, Warnings and Precautions, Drug Interactions, Use in Specific Populations, Clinical Pharmacology, Clinical Studies
Erdafitinib	Oncology	CYP2C9	Use in Specific Populations, Clinical Pharmacology
Escitalopram	Psychiatry	CYP2D6	Drug Interactions
Escitalopram	Psychiatry	CYP2C19	Adverse Reactions
Esomeprazole	Gastroenterology	CYP2C19	Drug Interactions, Clinical Pharmacology









Patient: Patient Identifiers:	Date of I Visit Number (FIN):	Birth:	Gender: F Physician:
Fesoterodine	Urology	CYP2D6	Drug Interactions, Clinical Pharmacology
Fosphenytoin	Neurology	CYP2C9	Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology
Flibanserin	Gynecology	CYP2C9	Clinical Pharmacology
Flibanserin	Gynecology	CYP2C19	Adverse Reactions, Use in Specific Populations, Clinical Pharmacology
Flibanserin	Gynecology	CYP2D6	Clinical Pharmacology
Fluorouracil	Dermatology	DPYD	Contraindications, Warnings
Fluorouracil	Oncology	DPYD	Warnings and Precautions, Patient Counseling Information
Fluoxetine	Psychiatry	CYP2D6	Precautions, Clinical Pharmacology
Flurbiprofen	Rheumatology	CYP2C9	Clinical Pharmacology
Fluvoxamine	Psychiatry	CYP2D6	Drug Interactions
Formoterol	Pulmonary	CYP2D6	Clinical Pharmacology
Formoterol	Pulmonary	CYP2C19	Clinical Pharmacology
Galantamine	Neurology	CYP2D6	Clinical Pharmacology
Gefitinib	Oncology	CYP2D6	Clinical Pharmacology
lloperidone	Psychiatry	CYP2D6	Dosage and Administration, Warnings and Precautions, Drug Interactions, Clinical Pharmacology
Imipramine	Psychiatry	CYP2D6	Precautions
Lacosamide	Neurology	CYP2C19	Clinical Pharmacology
Lansoprazole	Gastroenterology	CYP2C19	Drug Interactions, Clinical Pharmacology
Lesinurad	Rheumatology	CYP2C9	Drug Interactions, Clinical Pharmacology
Lofexidine	Anesthesiology	CYP2D6	Use in Specific Populations
Mavacamten	Cardiology	CYP2C19	Dosage and Administration, Clinical Pharmacology
Meclizine	Neurology	CYP2D6	Warnings and Precautions
Meloxicam	Anesthesiology	CYP2C9	Use in Specific Populations, Clinical Pharmacology
Mercaptopurine	Oncology	TPMT	Dosage and Administration, Warnings and Precautions, Adverse Reactions, Clinical Pharmacology
Mercaptopurine	Oncology	NUDT15	Dosage and Administration, Warnings and Precautions, Clinical Pharmacology
Metoclopramide	Gastroenterology	CYP2D6	Dosage and Administration, Use in Specific Populations, Clinical Pharmacology
Metoprolol	Cardiology	CYP2D6	Clinical Pharmacology
Mirabegron	Urology	CYP2D6	Clinical Pharmacology
Modafinil	Psychiatry	CYP2D6	Clinical Pharmacology









Patient: Patient Identifiers:	Date of Bi Visit Number (FIN):	rth:	Gender: F Physician:
Nateglinide	Endocrinology	CYP2C9	Drug Interactions
Nebivolol	Cardiology	CYP2D6	Dosage and Administration, Clinical Pharmacology
Nefazodone	Psychiatry	CYP2D6	Precautions
Nortriptyline	Psychiatry	CYP2D6	Precautions
Oliceridine	Anesthesiology	CYP2D6	Warnings and Precautions, Drug Interactions, Use in Specific Populations, Clinical Pharmacology
Omeprazole	Gastroenterology	CYP2C19	Drug Interactions, Clinical Pharmacology
Ondansetron	Gastroenterology	CYP2D6	Clinical Pharmacology
Ospemifene	Gynecology	CYP2C9	Clinical Pharmacology
Ospemifene	Gynecology	CYP2B6	Clinical Pharmacology
Paliperidone	Psychiatry	CYP2D6	Clinical Pharmacology
Palonosetron	Gastroenterology	CYP2D6	Clinical Pharmacology
Pantoprazole	Gastroenterology	CYP2C19	Clinical Pharmacology
Paroxetine	Psychiatry	CYP2D6	Drug Interactions, Clinical Pharmacology
Perphenazine	Psychiatry	CYP2D6	Precautions, Clinical Pharmacology
Phenytoin	Neurology	CYP2C9	Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology
Phenytoin	Neurology	CYP2C19	Clinical Pharmacology
Pimozide	Psychiatry	CYP2D6	Dosage and Administration, Precautions
Piroxicam	Rheumatology	CYP2C9	Clinical Pharmacology
Pitolisant	Psychiatry	CYP2D6	Dosage and Administration, Use in Specific Populations, Clinical Pharmacology
Prasugrel	Cardiology	CYP2C19	Use in Specific Populations, Clinical Pharmacology, Clinical Studies
Prasugrel	Cardiology	CYP2C9	Use in Specific Populations, Clinical Pharmacology, Clinical Studies
Prasugrel	Cardiology	CYP3A5	Use in Specific Populations, Clinical Pharmacology, Clinical Studies
Prasugrel	Cardiology	CYP2B6	Use in Specific Populations, Clinical Pharmacology, Clinical Studies
Propafenone	Cardiology	CYP2D6	Dosage and Administration, Warnings and Precautions, Drug Interactions, Clinical Pharmacology
Propranolol	Cardiology	CYP2D6	Clinical Pharmacology
Protriptyline	Psychiatry	CYP2D6	Precautions
Quinidine	Cardiology	CYP2D6	Precautions
Quinine Sulfate	Infectious Diseases	CYP2D6	Drug Interactions









Rabeprazole Gastroenterology CYP2C19 Drug Interactions, Clinical Pharmacology Rimegepant Neurology CYP2C9 Clinical Pharmacology Risperidone Psychiatry CYP2D6 Clinical Pharmacology Rosuvastatin Endocrinology SLCO1B1 Clinical Pharmacology Rucaparib (2) Oncology CYP2D6 Clinical Pharmacology Rucaparib (2) Oncology CYP2D6 Clinical Pharmacology Siponimod Neurology CYP2D6 Clinical Pharmacology Siponimod Neurology CYP2D6 Clinical Pharmacology Tamoxifen Oncology CYP2D6 Clinical Pharmacology Tamsulosin Urology CYP2D6 Clinical Pharmacology Tetrabenazine Neurology CYP2D6 Clinical Pharmacology Tetrabenazine Neurology CYP2D6 Dosage and Administration, Adverse Interactions, Clinical Pharmacology Thioguanine Oncology TPMT Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Thioguanine Oncology TPMT Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioridazine Psychiatry CYP2D6 Contraindications, Warnings, Precautions, Clinical Pharmacology Ticagrelor Cardiology CYP2D6 Contraindications, Warnings, Precautions Ticagrelor Cardiology CYP2D6 Contraindications, Warnings, Precautions Ticagrelor Cardiology CYP2D6 Contraindications, Warnings, Precautions, Clinical Pharmacology Totterodine Urology CYP2D6 Warning and Precautions, Clinical Pharmacology Tramadol Anesthesiology CYP2D6 Boxed Warning, Warnings and Precautions, Clinical Pharmacology Tramadol Resthesiology CYP2D6 Boxed Warning, Warnings and Precautions, Clinical Pharmacology Valbenazine Psychiatry CYP2D6 Clinical Pharmacology Valbenazine Neurology CYP2D6 Dosage and Administration, Warnings and Precautions, Clinical Pharmacology Valbenazine Psychiatry CYP2D6 Dosage and Administration, Use in Specific Populations, Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Viloxazine Psychiatry SLCO1B1 Clinical Pharmacology Vortoxetine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Vortoxetine Psychiatry CYP2D6 Dosage and Administration, Clinical	Patient: Patient Identifiers:	Date of Bi Visit Number (FIN):	rth:	Gender: F Physician:
Risperidone Psychiatry CYP2D6 Clinical Pharmacology Rosuvastatin Endocrinology SLC01B1 Clinical Pharmacology Rucaparib (2) Oncology CYP2D6 Clinical Pharmacology Rucaparib (2) Oncology CYP2D6 Clinical Pharmacology Siponimod Neurology CYP2D6 Clinical Pharmacology CYP2D6 Dosage and Administration, Contraindications, Drug Interactions, Use in Specific Populations, Clinical Pharmacology Tamsulosin Urology CYP2D6 Clinical Pharmacology Tetrabenazine Neurology CYP2D6 Warnings and Precautions, Adverse Interactions, Clinical Pharmacology Thioguanine Oncology TPMT Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioguanine Oncology NUDT15 Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thiodurazine Psychiatry CYP2D6 Contraindications, Warnings, Precautions, Clinical Pharmacology Totterodine Urology CYP2D6 Cinical Pharmacology Totterodine Urology CYP2D6 Warnings and Precautions, Clinical Pharmacology Tramadol Anesthesiology CYP2D6 Warnings and Precautions, Clinical Pharmacology Tramadol Anesthesiology CYP2D6 Boxed Warning, Warnings and Precautions, Clinical Pharmacology, Patient Counseling Information Trimipramine Psychiatry CYP2D6 Precautions Trimipramine Psychiatry CYP2D6 Precautions Umedidinium Pulmonary CYP2D6 Clinical Pharmacology Upadacitinib Rheumatology CYP2D6 Dosage and Administration, Warnings and Precautions, Clinical Pharmacology Valbenazine Psychiatry CYP2D6 Clinical Pharmacology Valbenazine Psychiatry CYP2D6 Clinical Pharmacology Valbenazine Psychiatry CYP2D6 Dosage and Administration, Warnings and Precautions, Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Vioriconazole Understatry CYP2D6 Dosage and Administration, Clinical Pharmacology Voriconazole Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Voriconazole Cype2D6 Dosage and Administration, Clinical Pharmacology	Rabeprazole	Gastroenterology	CYP2C19	Drug Interactions, Clinical Pharmacology
Rosuvastatin Endocrinology SLCO1B1 Clinical Pharmacology Rucaparib (2) Oncology CYP2D6 Clinical Pharmacology Siponimod Neurology CYP2C9 Dosage and Administration, Contraindications, Drug Interactions, Use in Specific Populations, Clinical Pharmacology Tamoxifen Oncology CYP2D6 Clinical Pharmacology Tamsulosin Urology CYP2D6 Warnings and Precautions, Adverse Interactions, Clinical Pharmacology Tetrabenazine Neurology CYP2D6 Dosage and Administration, Warnings and Precautions, Linical Pharmacology Thioguanine Oncology TPMT Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioguanine Oncology NuDT15 Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioridazine Psychiatry CYP2D6 Contraindications, Warnings, Precautions Ticagrelor Cardiology CYP2C19 Clinical Pharmacology Totterodine Urology CYP2D6 Warnings and Precautions, Drug Interactions, Clinical Pharmacology Tramadol Anesthesiology CYP2D6 Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Tramadol Anesthesiology CYP2D6 Dosage and Administration, Warnings, Precautions Trimipramine Psychiatry CYP2D6 Clinical Pharmacology Totterodine Urology CYP2D6 CYP2D6 Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Tramadol Anesthesiology CYP2D6 Clinical Pharmacology Upadacitinib Rheumatology CYP2D6 Clinical Pharmacology Valbenazine Psychiatry CYP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Valbenazine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Dosage and Administration, Drug Interactions, Use Inspections, Use Inspections, Use Inspections, Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Dos	Rimegepant	Neurology	CYP2C9	Clinical Pharmacology
Rucaparib (2) Oncology CYP2D6 Clinical Pharmacology Siponimod Neurology CYP2C9 Dosage and Administration, Contraindications, Drug Interactions, Use in Specific Populations, Clinical Pharmacology Tamoxifen Oncology CYP2D6 Clinical Pharmacology Tamsulosin Urology CYP2D6 Warnings and Precautions, Adverse Interactions, Clinical Pharmacology Tetrabenazine Neurology CYP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Thioguanine Oncology TPMT Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioguanine Oncology NUDT15 Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioridazine Psychiatry CYP2D6 Contraindications, Warnings, Precautions Ticagrelor Cardiology CYP2C19 Clinical Pharmacology Totterodine Urology CYP2D6 Warnings and Precautions Tramadol Anesthesiology CYP2D6 Warnings and Precautions, Drug Interactions, Clinical Pharmacology Tramadol Anesthesiology CYP2D6 Dosage and Administration, Warnings, Precautions Trimipramine Psychiatry CYP2D6 Precautions Upadacitinib Rheumatology CYP2D6 Clinical Pharmacology Valbenazine Neurology CYP2D6 Clinical Pharmacology Valbenazine Psychiatry CYP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Valbenazine Psychiatry CYP2D6 Drug Interactions, Use in Specific Populations, Clinical Pharmacology Veniafaxine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C9 Dosage and Administration, Drug Interactions, Use In Specific Populations, Clinical Pharmacology Voriconazole Infectious Diseases CYP2C9 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C9 Clinical Pharmacology	Risperidone	Psychiatry	CYP2D6	Clinical Pharmacology
Siponimod Neurology CYP2C9 Dosage and Administration, Contraindications, Drug Interactions, Use in Specific Populations, Clinical Pharmacology Tamoxifen Oncology CYP2D6 Clinical Pharmacology Tamsulosin Urology CYP2D6 Warnings and Precautions, Adverse Interactions, Clinical Pharmacology Tetrabenazine Neurology CYP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Thioguanine Oncology TPMT Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioguanine Oncology NUDT15 Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioridazine Psychiatry CYP2D6 Contraindications, Warnings, Precautions Ticagrelor Cardiology CYP2C19 Clinical Pharmacology Tolterodine Urology CYP2D6 Warnings and Precautions, Drug Interactions, Clinical Pharmacology Tramadol Anesthesiology CYP2D6 Boxed Warning, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Trimipramine Psychiatry CYP2D6 Precautions Umeclidinium Pulmonary CYP2D6 Clinical Pharmacology Upadacitinib Rheumatology CYP2D6 Clinical Pharmacology Valbenazine Neurology CYP2D6 Clinical Pharmacology Valbenazine Psychiatry CYP2D6 Dosage and Administration, Warnings and Precautions, Clinical Pharmacology Venlafaxine Psychiatry CYP2D6 Drug Interactions, Use in Specific Populations, Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C9 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C9 Dosage and Administration, Unical Pharmacology Voriconazole Infectious Diseases CYP2C9 Dosage and Administration, Clinical Pharmacology	Rosuvastatin	Endocrinology	SLCO1B1	Clinical Pharmacology
Drug Interactions, Use in Specific Populations, Clinical Pharmacology Tamoxifen Oncology CYP2D6 Clinical Pharmacology Tamsulosin Urology CYP2D6 Warnings and Precautions, Adverse Interactions, Clinical Pharmacology Tetrabenazine Neurology CYP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Thioguanine Oncology TPMT Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioguanine Oncology NUDT15 Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioridazine Psychiatry CYP2D6 Contraindications, Warnings, Precautions Ticagrelor Cardiology CYP2C19 Clinical Pharmacology Tolterodine Urology CYP2D6 Warnings and Precautions, Drug Interactions, Clinical Pharmacology Tramadol Anesthesiology CYP2D6 Boxed Warnings, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology, Patient Counseling Information Trimipramine Psychiatry CYP2D6 Precautions Umecildinium Pulmonary CYP2D6 Clinical Pharmacology Upadacitinib Rheumatology CYP2D6 Clinical Pharmacology Valbenazine Neurology CYP2D6 Clinical Pharmacology Valbenazine Psychiatry CYP2D6 Clinical Pharmacology Venlafaxine Psychiatry CYP2D6 Clinical Pharmacology Venlafaxine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C9 Dosage and Administration, Drug Interactions, Use in Specific Populations, Clinical Pharmacology Voriconazole Infectious Diseases CYP2C9 Dosage and Administration, Clinical Pharmacology	Rucaparib (2)	Oncology	CYP2D6	Clinical Pharmacology
Tamsulosin Urology CYP2D6 Warnings and Precautions, Adverse Interactions, Clinical Pharmacology Tetrabenazine Neurology CYP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Thioguanine Oncology TPMT Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioguanine Oncology NUDT15 Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioridazine Psychiatry CYP2D6 Contraindications, Warnings, Precautions Ticagrelor Cardiology CYP2C19 Clinical Pharmacology Totterodine Urology CYP2D6 Warnings and Precautions, Drug Interactions, Clinical Pharmacology Tramadol Anesthesiology CYP2D6 Boxed Warning, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology, Patient Counseling Information Trimipramine Psychiatry CYP2D6 Precautions Umeclidinium Pulmonary CYP2D6 Clinical Pharmacology Upadacitinib Rheumatology CYP2D6 Clinical Pharmacology Valbenazine Neurology CYP2D6 Clinical Pharmacology Valbenazine Psychiatry CYP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry SLCO1B1 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C9 Dosage and Administration, Clinical Pharmacology Voriconazole Hematology CYP2C9 Dosage and Administration, Clinical Pharmacology	Siponimod	Neurology	CYP2C9	Drug Interactions, Use in Specific Populations,
Clinical Pharmacology Tetrabenazine Neurology CYP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Thioguanine Oncology TPMT Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioguanine Oncology NUDT15 Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioridazine Psychiatry CYP2D6 Contraindications, Warnings, Precautions Ticagrelor Cardiology CYP2C19 Clinical Pharmacology Warnings and Precautions, Drug Interactions, Clinical Pharmacology Tolterodine Urology CYP2D6 Warnings and Precautions, Drug Interactions, Clinical Pharmacology, Patient Counseling Information Trimipramine Psychiatry CYP2D6 Upadacitinib Rheumatology CYP2D6 CYP2D6 Clinical Pharmacology Upadacitinib Rheumatology CYP2D6 CYP2D6 Company CYP2D6 Clinical Pharmacology Upadacitinib Rheumatology CYP2D6 CYP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Valbenazine Psychiatry CYP2D6 CYP2D6 CyP2D6 CyP2D6 Cypage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Venlafaxine Psychiatry CYP2D6 Cilnical Pharmacology Viloxazine Psychiatry CYP2D6 Cilnical Pharmacology Viloxazine Psychiatry CYP2D6 Cilnical Pharmacology Viloxazine Psychiatry CYP2D6 Cilnical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Voriconazole Voricoxetine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Voricoxetine Psychiatry CYP2D6 Dosage and Administration, Drug Interactions,	Tamoxifen	Oncology	CYP2D6	Clinical Pharmacology
Precautions, Use in Specific Populations, Clinical Pharmacology Thioguanine Oncology TPMT Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioguanine Oncology NUDT15 Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioridazine Psychiatry CYP2D6 Contraindications, Warnings, Precautions Ticagrelor Cardiology CYP2C19 Clinical Pharmacology Tolterodine Urology CYP2D6 Warnings and Precautions, Drug Interactions, Clinical Pharmacology Tramadol Anesthesiology CYP2D6 Boxed Warning, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology, Patient Counseling Information Trimipramine Psychiatry CYP2D6 Clinical Pharmacology Upadacitinib Rheumatology CYP2D6 Clinical Pharmacology Valbenazine Neurology CYP2D6 CyP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Venlafaxine Psychiatry CYP2D6 CyP2D6 Drug Interactions, Use in Specific Populations, Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Voriconazole Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Vortioxetine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Vortioxetine Psychiatry CYP2D6 Dosage and Administration, Drug Interactions,	Tamsulosin	Urology	CYP2D6	
Precautions, Clinical Pharmacology Thioguanine Oncology NUDT15 Dosage and Administration, Warnings, Precautions, Clinical Pharmacology Thioridazine Psychiatry CYP2D6 Contraindications, Warnings, Precautions Ticagrelor Cardiology CYP2C19 Clinical Pharmacology Tolterodine Urology CYP2D6 Warnings and Precautions, Drug Interactions, Clinical Pharmacology Tramadol Anesthesiology CYP2D6 Boxed Warning, Warnings and Precautions, Clinical Pharmacology, Patient Counseling Information Trimipramine Psychiatry CYP2D6 Precautions Clinical Pharmacology Upadacitinib Rheumatology CYP2D6 Clinical Pharmacology CYP2D6 Clinical Pharmacology Valbenazine Neurology CYP2D6 CYP2D6 Dosage and Administration, Warnings and Precautions, Clinical Pharmacology Venlafaxine Psychiatry CYP2D6 Drug Interactions, Use in Specific Populations, Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Vortioxetine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Warfarin Hematology CYP2C9 Dosage and Administration, Drug Interactions,	Tetrabenazine	Neurology	CYP2D6	Precautions, Use in Specific Populations,
Precautions, Clinical Pharmacology Thioridazine Psychiatry CYP2D6 Contraindications, Warnings, Precautions Ticagrelor Cardiology CYP2C19 Clinical Pharmacology Tolterodine Urology CYP2D6 Warnings and Precautions, Drug Interactions, Clinical Pharmacology Tramadol Anesthesiology CYP2D6 Boxed Warning, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology, Patient Counseling Information Trimipramine Psychiatry CYP2D6 Precautions Umeclidinium Pulmonary CYP2D6 Clinical Pharmacology Upadacitinib Rheumatology CYP2D6 Clinical Pharmacology Valbenazine Neurology CYP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Venlafaxine Psychiatry CYP2D6 Drug Interactions, Use in Specific Populations, Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry SLCO1B1 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Vortioxetine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Warfarin Hematology CYP2C9 Dosage and Administration, Drug Interactions,	Thioguanine	Oncology	TPMT	
Ticagrelor Cardiology CYP2C19 Clinical Pharmacology Tolterodine Urology CYP2D6 Warnings and Precautions, Drug Interactions, Clinical Pharmacology Tramadol Anesthesiology CYP2D6 Boxed Warning, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology, Patient Counseling Information Trimipramine Psychiatry CYP2D6 Precautions Umeclidinium Pulmonary CYP2D6 Clinical Pharmacology Upadacitinib Rheumatology CYP2D6 Clinical Pharmacology Valbenazine Neurology CYP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Venlafaxine Psychiatry CYP2D6 Drug Interactions, Use in Specific Populations, Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry SLCO1B1 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Vortioxetine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Warfarin Hematology CYP2C9 Dosage and Administration, Drug Interactions,	Thioguanine	Oncology	NUDT15	
Tolterodine Urology CYP2D6 Warnings and Precautions, Drug Interactions, Clinical Pharmacology Tramadol Anesthesiology CYP2D6 Boxed Warning, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Urology Precautions Urology CYP2D6 Cypercautions Urology Cypercautions Urology Cypercautions Urology Cypercautions Cypercautions Cypercautions Cinical Pharmacology Cypercautions Cypercau	Thioridazine	Psychiatry	CYP2D6	Contraindications, Warnings, Precautions
Clinical Pharmacology Tramadol Anesthesiology CYP2D6 Boxed Warning, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology, Patient Counseling Information Trimipramine Psychiatry CYP2D6 Precautions Umeclidinium Pulmonary CYP2D6 Clinical Pharmacology Upadacitinib Rheumatology CYP2D6 Clinical Pharmacology Valbenazine Neurology CYP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Venlafaxine Psychiatry CYP2D6 Drug Interactions, Use in Specific Populations, Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry SLCO1B1 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Vortioxetine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Warfarin Hematology CYP2C9 Dosage and Administration, Drug Interactions,	Ticagrelor	Cardiology	CYP2C19	Clinical Pharmacology
Use in Specific Populations, Clinical Pharmacology, Patient Counseling Information Trimipramine Psychiatry CYP2D6 Precautions Umeclidinium Pulmonary CYP2D6 Clinical Pharmacology Upadacitinib Rheumatology CYP2D6 Clinical Pharmacology Valbenazine Neurology CYP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Venlafaxine Psychiatry CYP2D6 Drug Interactions, Use in Specific Populations, Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry SLCO1B1 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Vortioxetine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Warfarin Hematology CYP2C9 Dosage and Administration, Drug Interactions,	Tolterodine	Urology	CYP2D6	
Umeclidinium Pulmonary CYP2D6 Clinical Pharmacology Upadacitinib Rheumatology CYP2D6 Clinical Pharmacology Valbenazine Neurology CYP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Venlafaxine Psychiatry CYP2D6 Drug Interactions, Use in Specific Populations, Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry SLCO1B1 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Vortioxetine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Warfarin Hematology CYP2C9 Dosage and Administration, Drug Interactions,	Tramadol	Anesthesiology	CYP2D6	Use in Specific Populations, Clinical
Upadacitinib Rheumatology CYP2D6 Clinical Pharmacology Valbenazine Neurology CYP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Venlafaxine Psychiatry CYP2D6 Drug Interactions, Use in Specific Populations, Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry SLCO1B1 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Vortioxetine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Warfarin Hematology CYP2C9 Dosage and Administration, Drug Interactions,	Trimipramine	Psychiatry	CYP2D6	Precautions
Valbenazine Neurology CYP2D6 Dosage and Administration, Warnings and Precautions, Use in Specific Populations, Clinical Pharmacology Venlafaxine Psychiatry CYP2D6 Drug Interactions, Use in Specific Populations, Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry SLCO1B1 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Vortioxetine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Warfarin Hematology CYP2C9 Dosage and Administration, Drug Interactions,	Umeclidinium	Pulmonary	CYP2D6	Clinical Pharmacology
Precautions, Use in Specific Populations, Clinical Pharmacology Venlafaxine Psychiatry CYP2D6 Drug Interactions, Use in Specific Populations, Clinical Pharmacology Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry SLCO1B1 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Vortioxetine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Warfarin Hematology CYP2C9 Dosage and Administration, Drug Interactions,	Upadacitinib	Rheumatology	CYP2D6	Clinical Pharmacology
Viloxazine Psychiatry CYP2D6 Clinical Pharmacology Viloxazine Psychiatry SLCO1B1 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Vortioxetine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Warfarin Hematology CYP2C9 Dosage and Administration, Drug Interactions,	Valbenazine	Neurology	CYP2D6	Precautions, Use in Specific Populations,
Viloxazine Psychiatry SLCO1B1 Clinical Pharmacology Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Vortioxetine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Warfarin Hematology CYP2C9 Dosage and Administration, Drug Interactions,	Venlafaxine	Psychiatry	CYP2D6	
Voriconazole Infectious Diseases CYP2C19 Clinical Pharmacology Vortioxetine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Warfarin Hematology CYP2C9 Dosage and Administration, Drug Interactions,	Viloxazine	Psychiatry	CYP2D6	Clinical Pharmacology
Vortioxetine Psychiatry CYP2D6 Dosage and Administration, Clinical Pharmacology Warfarin Hematology CYP2C9 Dosage and Administration, Drug Interactions,	Viloxazine	Psychiatry	SLCO1B1	Clinical Pharmacology
Warfarin Hematology CYP2C9 Dosage and Administration, Drug Interactions,	Voriconazole	Infectious Diseases	CYP2C19	Clinical Pharmacology
	Vortioxetine	Psychiatry	CYP2D6	Dosage and Administration, Clinical Pharmacology
	Warfarin	Hematology	CYP2C9	Dosage and Administration, Drug Interactions, Clinical Pharmacology









Patient: Patient Identifiers:	Date of Bi Visit Number (FIN):	rth:	Gender: F Physician:
Warfarin	Hematology	VKORC1	Dosage and Administration, Clinical Pharmacology









^{*} Therapeutic areas do not necessarily reflect the CDER review division.

[†] Representative biomarkers are listed based on standard nomenclature as per the Human Genome Organization (HUGO) symbol and/or simplified descriptors using other common conventions. Listed biomarkers do not necessarily reflect the terminology used in labeling. The term "Nonspecific" is provided when labeling does not explicitly identify the specific biomarker(s) or when the biomarker is represented by a molecular phenotype or gene signature, and in some cases the biomarker was inferred based on the labeling language.