

PICTURE PGX

Medications Associated with the Picture PGx DNA Test

Anesthesiology Medications

(general anesthetics)

Generic Name	Brand Name(s)	Associated Gene(s)
Desflurane	Suprane	<i>RYR1</i>
Enflurane	Ethrane, Compound 374	<i>RYR1</i>
Halothane	Fluothane	<i>RYR1</i>
Isoflurane	Forane, Terrell	<i>RYR1</i>
Methadone	Dolophine, Methadose, Methadose Sugar-Free, Diskets	<i>CYP2B6</i>
Mivacurium	Mivacron	<i>BCHE</i>
Sevoflurane	Sojourn, Ultane	<i>RYR1</i>
Succinylcholine	Anectine, Quelicin	<i>BCHE, RYR1</i>

Cardiovascular Medications

(statins, blood thinners, anti-arrhythmics, beta-blockers, cholesterol medications)

Generic Name	Brand Name(s)	Associated Gene(s)
Acenocoumarol	Sinthrome, Nicoumalone, Sintrom, Nitrovarfarian, Nitrowarfarin	<i>CYP2C9, CYP4F2, VKORC1</i>
Atorvastatin	Atorvaliq, Lipitor	<i>SLCO1B1, APOE</i>
Clopidogrel	Plavix	<i>CYP2C19</i>
Flecainide	Tambocor	<i>CYP2D6</i>
Fluvastatin	Lescol, Lescol XL	<i>SLCO1B1, CYP2C9</i>
Lovastatin	Altoprev, Mevacor, Altacor	<i>SLCO1B1</i>
Metoprolol	Kapspargo Sprinkle, Lopressor, Toprol-XL	<i>CYP2D6</i>
Pravastatin	Pravachol	<i>SLCO1B1</i>
Propafenone	Rythmol, Rythmol SR	<i>CYP2D6</i>
Rosuvastatin	Crestor, Ezallor Sprinkle	<i>SLCO1B1</i>
Simvastatin	Zocor	<i>SLCO1B1</i>
Warfarin	Coumadin, Jantoven	<i>CYP2C9, CYP4F2, VKORC1</i>
Pitavastatin	Livalo, Zypitamag	<i>SLCO1B1</i>

This sheet was last updated in September 2023. Please note that PGx data may change over time.
Some medications may be used for conditions outside their assigned category.

Gastroenterology Medications

(proton-pump inhibitors, heartburn & gastroesophageal reflux disease treatments)

Generic Name	Brand Name(s)	Associated Gene(s)
Dexlansoprazole	Dexilant, Kapidex	CYP2C19
Lansoprazole	FIRST Lansoprazole, Prevacid	CYP2C19
Omeprazole	FIRST Omeprazole, Omeprazole + SyrSpend SF Alka, PriLOSEC, PriLOSEC OTC, Zegerid (Original Formulation)	CYP2C19
Pantoprazole	Protonix	CYP2C19
Rabeprazole	AcipHex, AcipHex Sprinkle	CYP2C19

Immunology Medications

(immunosuppressants)

Generic Name	Brand Name(s)	Associated Gene(s)
Azathioprine	Azasan, Imuran	NUDT15, TPMT
Siponimod	Mayzent	CYP2C9
Tacrolimus	Astagraf XL, Envarsus XR, Prograf, Hecoria	CYP3A5

Infectious Disease Medications

(antibiotics, antifungals, antimalarials, antivirals — includes treatments for HIV)

Generic Name	Brand Name(s)	Associated Gene(s)
Abacavir	Ziagen	HLA-B
Atazanavir	Reyataz	UGT1A1
Efavirenz	Sustiva	CYP2B6
Isoniazid	Nydrazid	NAT2
Nevirapine	Viramune, Viramune XR	CYP2B6
Peginterferon Alfa-2A	Pegasys, Pegasys ProClick Autoinjector, Pegasys Prefilled Syringe	IFNL4
Peginterferon Alfa-2B	PegIntron, Sylatron, PegIntron Redipen	IFNL4
Ribavirin	Copegus, Moderiba, Rebetol, RibaPak, Ribasphere, RibaTab	IFNL4
Voriconazole	Vfend	CYP2C19

Neurology Medications

(anticonvulsants, muscle relaxants, movement disorder treatments)

Generic Name	Brand Name(s)	Associated Gene(s)
Amifampridine	Firdapse, Ruzurgi	NAT2
Amifampridine Phosphate	Firdapse	NAT2
Carbamazepine	Carbatrol, Epitol, Equetro, Tegretol, Tegretol XR	HLA-B
Clobazam	Onfi, Sympazan	CYP2C19
Deutetrabenazine	Austedo	CYP2D6
Fosphenytoin	Cerebyx, Sesquient	CYP2C9, HLA-B
Oxcarbazepine	Oxtellar XR, Trileptal	HLA-B
Phenytoin	Dilantin, Phenytek	CYP2C9
Tetrabenazine	Xenazine	CYP2D6
Valbenazine	Ingrezza	CYP2D6

Oncology Medications

(chemotherapies, antineoplastic agents, other cancer treatment drugs)

Generic Name	Brand Name(s)	Associated Gene(s)
Belzutifan	Welireg	CYP2C19
Belinostat	Beleodaq	UGT1A1
Capecitabine	Xeloda	DPYD
Dronabinol	Marinol, Syndros	CYP2C9
Erdafitinib	Balversa	CYP2C9
Fluorouracil	Adrucil	DPYD
Gefitinib	Iressa	CYP2D6
Irinotecan	Camptosar	UGT1A1
Mercaptopurine	Purixan, Purinethol	NUDT15, TPMT
Metoclopramide	Metozolv ODT, Reglan	CYP2D6
Ondansetron	Zofran, Zofran ODT, Zuplenz	ABCB1, CYP2D6
Rasburicase	Elitek, Fasturtec	G6PD
Sacituzumab Govitecan-hziy	TRODELVY	UGT1A1
Tegafur	Tegsuno	DPYD
Tamoxifen	Soltamox	CYP2D6
Thioguanine	Tabloid	NUDT15, TPMT
Tropisetron	None	CYP2D6

This sheet was last updated in September 2023. Please note that PGx data may change over time.
Some medications may be used for conditions outside their assigned category.

Pain Management Medications

(anti-inflammatory drugs, opioids, and others)

Generic Name	Brand Name(s)	Associated Gene(s)
Celecoxib	CeleBREX	CYP2C9
Flurbiprofen	Ansaid	CYP2C9
Hydrocodone	Hysingla ER, Zohydro ER	CYP2D6, COMT, OPRM1
Ibuprofen	Advil, Genpril, IBU, Midol IB, Motrin IB, Propinal	CYP2C9
Lofexidine	Lucemyra	CYP2D6
Lornoxicam	None	CYP2C9
Meloxicam	Anjeso, Mobic, Qmii OD, Vivlodex	CYP2C9
Methoxyflurane	Penthrane	RYR1
Oliceridine	Olinvyk	CYP2D6, COMT, OPRM1
Oxycodone	Oxaydo, OxyContin, Oxyfast, Roxicodone, RoxyBond, Xtampza ER Oxycodone is also present in the following combination drugs: Combunox, Endocet, Endodan, Moxduo, Oxycodan, Percocet, Percodan, Primlev, Roxicet, Xartemis XR, and others	CYP2D6
Piroxicam	Feldene	CYP2C9
Tenoxicam	Mobiflex	CYP2C9
Tramadol	ConZip, Qdolo, Ultram, Ultram ER	CYP2D6

Psychiatry Medications

(antidepressants, selective serotonin reuptake inhibitors, antipsychotics)

Generic Name	Brand Name(s)	Associated Gene(s)
Amitriptyline	Elavil, Endep, Vanatrip	CYP2C19
Aripiprazole	Abilify, Abilify Discmelt	CYP2C9
Aripiprazole Lauroxil	Aristada, Aristada Initio	CYP2D6
Atomoxetine	Strattera	CYP2C9
Brexpiprazole	Rexulti	CYP2C9
Bupropion	Aplenzin, Forfivo XL, Wellbutrin SR, Wellbutrin XL, Zyban, Budeprion XL	CYP2C9
Citalopram	CeleXA	CYP2C9
Clomipramine	Anafranil	CYP2C9
Clozapine	Clozaril, FazaClo, Versacloz, Clopine, CloZAPine Synthron, Denzapine, Zaponex	CYP2B6
Desipramine	Norpramin	RYR1
Doxepin	Silenor, Prudoxin, Zonalon	CYP2D6
Escitalopram	Lexapro	CYP2C9
Fluvoxamine	Luvox, Luvox CR	CYP2C9
Haloperidol	Haldol	CYP2D6
Iloperidone	Fanapt	CYP2D6
Imipramine	Tofranil, Tofranil-PM	CYP2C19, CYP2D6
Nortriptyline	Pamelor, Aventyl HCl	CYP2D6
Paroxetine	Brisdelle, Paxil, Paxil CR, Pexeva	CYP2D6
Pimozide	Orap	CYP2D6
Risperidone	Risperdal	CYP2D6
Sertraline	Zoloft	CYP2C19
Thioridazine	Mellaril, Mellaril-S	CYP2D6
Trimipramine	Surmontil	CYP2C19, CYP2D6
Venlafaxine	Effexor XR, Effexor	CYP2D6
Vortioxetine	Trintellix, Brintellix	CYP2D6
Zuclopenthixol	Cisordinol, Acuphase, Clopixol	CYP2D6

Other Medications

(anti-nausea & anti-emetics, potassium channel blockers, and others)

Generic Name	Brand Name(s)	Associated Gene(s)
Eliglustat	Cerdelga	CYP2D6
Flibanserin	Addyi	CYP2C19
Meclizine	Antivert, Bonine, D-Vert, Dramamine Less Drowsy, Driminate II, Meclicot, Medivert, Ru-Vert-M, Meni-D	CYP2D6
Pitolisant	Wakix	CYP2D6