





Pharmaco Sensor
Jane Doe
DEMO_DS



COVER LETTER

Dear Ms. Doe,

Your sample for the analysis arrived on in the laboratory and was evaluated according to the highest laboratory quality standards. The results were evaluated and released by two independent geneticists and molecular biologists. After obtaining the results, your personal report was compiled. We hereby convey the results to you in the format of your choice.

We would like to thank you for your trust and hope that you are satisfied with our service. We are always open to questions and suggestions. Please do not hesitate to contact us. We value your feedback. This is the only way we can continuously improve our services.

We hope the analysis meets your expectations.

Kind regards,

Dr. Daniel Wallerstorfer BSc.

Laboratory Director

Florian Schneebauer, MSc.

Laboratory Manager

Pharmaco Sensor

Personal analysis results for: Jane Doe | Date of birth: 01/01/1990

Order number: **DEMO_DS**

This report contains personal medical information that is highly confidential. Data protection must be ensured.

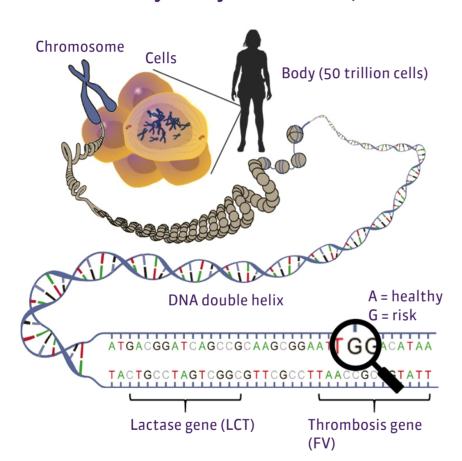




GENETICS

How genes influence our health

The human body consists of about 50 trillion individual cells. Most of these cells have a nucleus, which contains 46 chromosomes. A chromosome consists of a very closely wound thread, the DNA "double helix."



DNA, the genetic code, is the blueprint of the human body. This genetic code consists of approximately 3.1 billion molecules, which are each represented by a letter. About 1% of this code makes up the genes. Each gene is an instruction for the body, usually with a function. single For example, some genes tell the body how to colour the iris and differences in these genes produce different eye colors. Every function of the body is controlled by one or more genes, including the way we break down food or medication.

Our genes are not completely error-free. The genes of each person are altered slightly by environmental effects. Most of these changes have no effect but a small number have a harmful effect. An even tinier number can produce a beneficial effect. Parents pass these changes, including defects, to their children. Thus most of our genetic defects are inherited from our parents.

In addition, our genes evolved to help us live in a completely different world, and some of our genetic traits can interact with our modern environment to create negative effects on the body. For example, the genetic predisposition to store dietary fat quickly and lose it slowly is beneficial for people who go through times when food is scarce: they have a better chance of surviving because their bodies use fat efficiently and store it for later. However, in the modern world, this trait is harmful because it programs the body to gain weight quickly and lose weight

DEMO_DS Page 2 of 64



slowly. Genes increase our risk of heart attacks, trigger asthma and allergies, cause lactose intolerance, and many other disorders.

Genetic traits can affect our health. While some genetic defects cause disease in all cases, most genetic traits just increase our risk of developing a disease. For example, a person may have genes that increase their risk for diabetes. However, not everyone at risk for diabetes actually develops the disease. Furthermore, even people with a high risk of diabetes can lower their risk with the right diet and exercise plan. Other genetic traits only cause illness when they are triggered by a specific environmental feature. For example, lactose intolerance is a genetic condition that causes a person who drinks milk to have digestive issues. A lactose-intolerant person who never drinks milk will not have any symptoms.

Thanks to the latest technologies, it is now possible to test specific genes to determine if you have genetic traits that are linked to various diseases. Based on the results of the analysis, we can develop a prevention program that significantly reduces your personal disease risk and helps you stay healthy.

A healthy lifestyle will decrease your risk of many diseases whether or not you have specific information about your genetic traits. However, we provide you with additional information that may point out other changes to your lifestyle that are not part of the standard medical advice. There are many examples, but one of the traits we test for is a gene that increases your body's ability to absorb iron. If you have this trait, you must not take iron supplements as the iron would accumulate and cause a life-threatening disease called haemochromatosis.

Experts estimate that every person carries about 2,000 genetic defects, which may affect their health, and in some cases, cause illnesses. A variety of factors can cause changes in our genes (also called mutations). In a few cases, these mutations can benefit us. However, the vast majority either have no effect or have a negative impact on our health. The best-known cause of mutations is radioactivity. Radioactive rays and particles actually impact the DNA in our cells and physically alter our genes. They mostly go unnoticed or cause deadly diseases, such as cancer, or congenital abnormality in newborns. Mutations are also caused by substances in burned food. The substances enter the cells and damage our genes, which can lead to colon cancer, among other forms of cancer. UV radiation from the sun can also damage our genes and cause diseases, such as skin cancer.

External influences can affect individual genes and disrupt their function, but the majority of our defective genes are inherited from our parents. Each embryo receives half of its genes from the father and half from the mother, resulting in a new human being with some characteristics of each parent. Whether a genetic defect is passed on, is determined randomly, and it may be that some of the children carry the defective gene and others do not.

Each person is the unique product of generations of accumulation and combination of different genetic traits. Some of those traits have negative effects on our health. With the latest technology, it is now finally possible to examine genes and determine personal health risks and strengths. In many cases, taking advantage of this knowledge, and following some precautionary measures, the diseases may be prevented. This is the next step in preventive medicine and a new generation of health care.

DEMO_DS Page 3 of 64



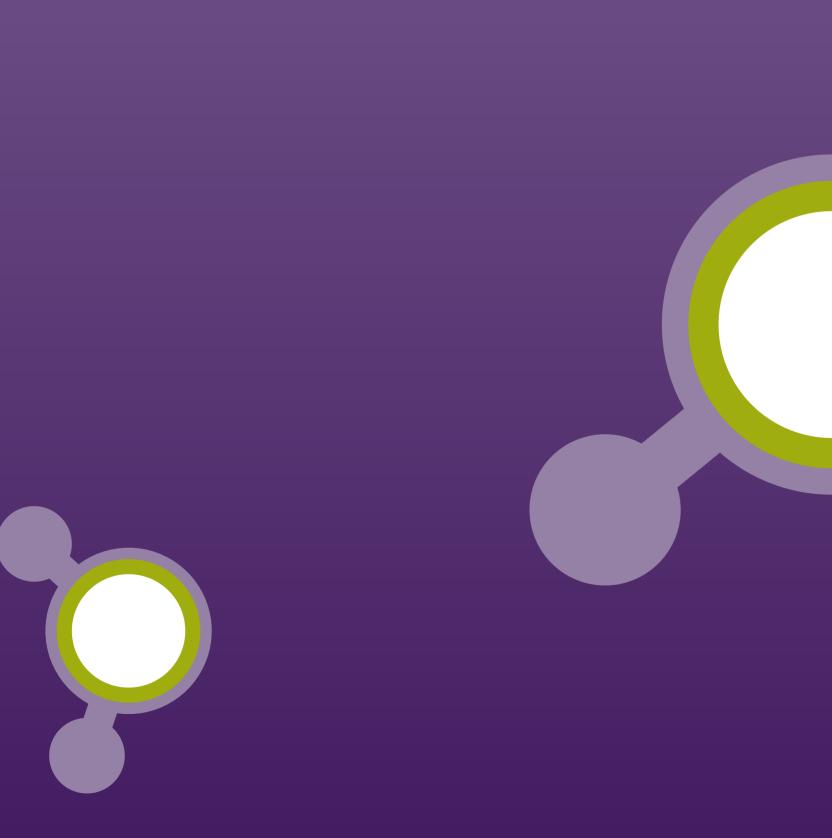
Action index

Discuss risks marked in orange or red with your doctor. All other results do not require any further attention assuming there are no current medical conditions.





DEMO_DS Page 4 of 64





ONCOLOGY

Not ordered

CARDIOVASCULAR SYSTEM

Not ordered

NEUROLOGY

Not ordered

METABOLISM

Not ordered

MOVEMENT

Not ordered

DIGESTION

Not ordered

OPHTHALMOLOGY

Not ordered

ODONTOLOGY

Not ordered

OTHERS

Not ordered

SCIENCE

ADDITIONAL INFORMATION



Pharmaco Sensor

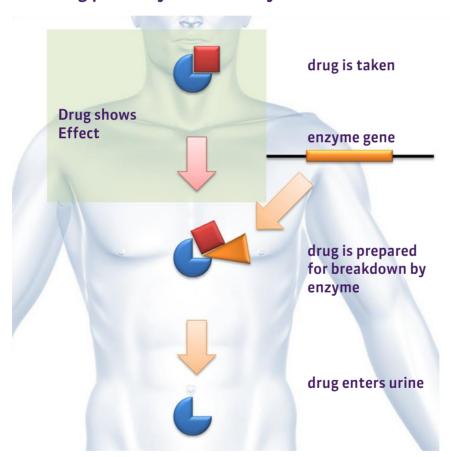
Avoiding side effects from medication and improving the outcome



How drugs work in the human body

Every person reacts differently to drugs/medications. Some people benefit significantly from a particular medication, while others experience adverse effects with symptoms that can range from mild to fatal. According to estimates, approximately 7% of patients suffer from severe adverse reactions and about 0.4% suffer fatal consequences. Adverse reactions to drugs are the fifth most frequent cause of death in the developed world. In most cases, these reactions are determined by inherited genetic variations or certain drug interactions.

The drug pathways in the body

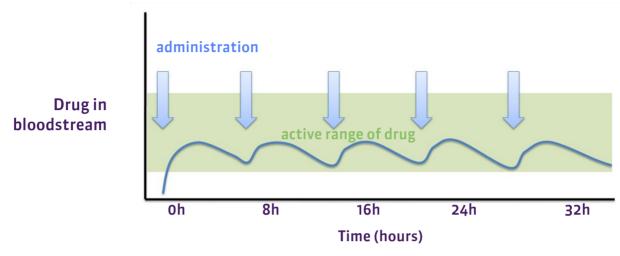


When drug administeredwhether orally, intravenously or via any other route- it first enters the bloodstream. The blood transports the drug to the target organ where it will elicit the required response. However, the drug is recognised as foreign by certain enzymes which proceed to break it down and remove it from the bloodstream. This causes most drugs to lose their effect. The deactivated drug is then filtered out of the bloodstream with the help of the kidneys and finally excreted in the urine.

DEMO_DS Page 8 of 64 ProGenor

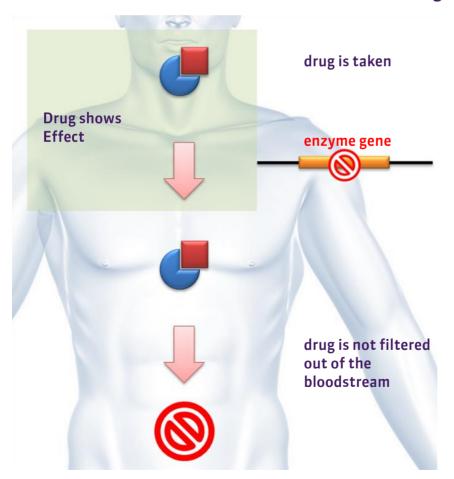
Long-term Drug Treatment

Due to the fact that many drugs work over an extended period, they need to be taken at regular intervals to ensure that the concentration of the drug in the bloodstream is maintained in the correct range.



This is how the drug always remains at the right concentration and shows its intended effect.

Genetic defects inhibit the breakdown of the drug



Unfortunately, many people carry a defect in one of the enzyme-producing genes that are crucial in this process.

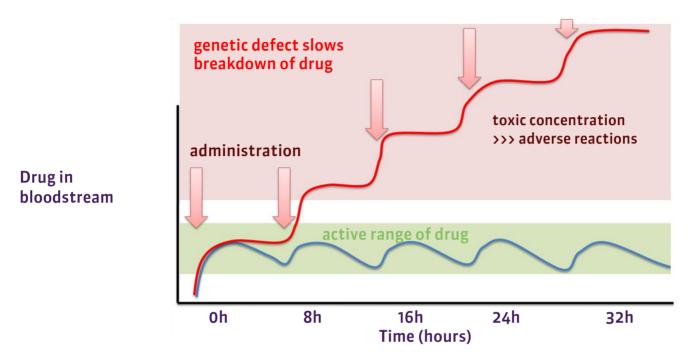
The drug still enters the blood circulation and has its effect, but the specific enzymes do not break it down and the drug remains the bodv for significantly longer time. This is only a minor problem after a single dose, but when a person takes warfarin three times a day, for example, the level of warfarin in the blood gradually increases until it causes toxic side effects.

DEMO_DS Page 9 of 64



The complications of regular administration of a drug when there is a genetic defect

In the case of blood thinners, drug action is at the optimum level at the beginning of therapy but the drug concentration increases subsequently with every dose until it reaches the point of causing uncontrolled bleeding.



This means that the 20% of the population that carry a genetic defect need a significantly lower dose of warfarin because the usual dose could lead to serious adverse reactions.

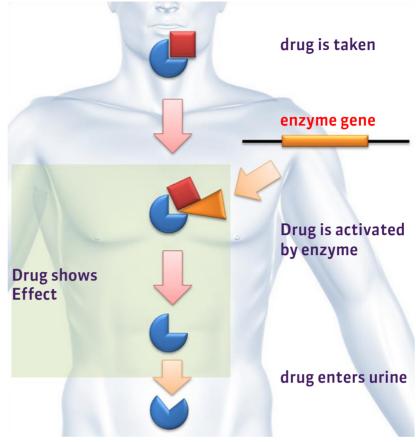


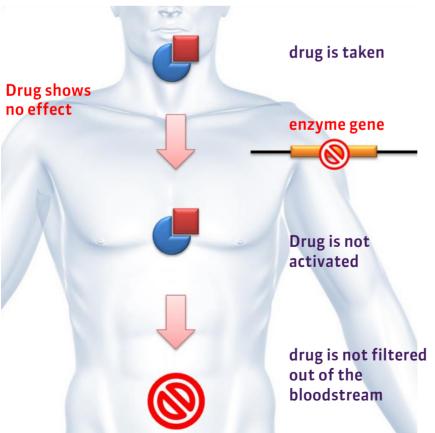
DEMO_DS Page 10 of 64

Prodrugs: the precursors of active drugs

Some drugs are taken in an inactive form and are only activated by the enzymes of the body. These are called prodrugs. Examples for this kind of drugs include the cancerprevention drug tamoxifen and the painkiller codeine.

A prodrug enters the bloodstream in its inactive form. Enzymes in the blood transform it into its active form, and then it takes effect. For example, the painkiller codeine (prodrug) is transformed into morphine (active form), which then relieves pain.





In some people, the enzyme that converts a specific prodrug into active drug does not function, so that the drug never has an effect on the body, other than potential side effects.

In the case of codeine, there is no pain relief after administration and an alternative drug needs to be chosen.

In case of tamoxifen, a drug that prevents breast cancer, the drug's inefficacy will only be discovered if cancer develops.

DEMO_DS Page 11 of 64





Pharmacogenetic genes

The following genes and polymorphisms have an impact on the breakdown and effect of various drugs. Your genetic analysis found the following:

CYP1A2

rs NCBI	POLYMORPH	GENOTYPE
rs2069514	-3860G>A	G/G
rs762551	-163C>A	C/C
GENOTYPE	METABOLIZER	ACTIVITY
*1/*1	EXTENSIVE	NORMAL

CYP2B6

rs NCBI	POLYMORPH	GENOTYPE
rs28399499	983T>C	Т/Т
rs34223104	-82T>C	T/T
rs3745274	516G>T	G/G
GENOTYPE	METABOLIZER	ACTIVITY
*1/*1	EXTENSIVE	NORMAL

CYP2C19

rs NCBI	POLYMORPH	GENOTYPE
rs4244285	681G>A	G/G
rs4986893	636G>A	G/G
rs28399504	1A>G	A/A
rs56337013	1297C>T	C/C
rs72552267	395G>A	G/G
rs72558186	19294T>A	T/T
rs41291556	358T>C	T/T
rs17884712	431G>A	G/G
rs12248560	-806C>T	C/C
rs6413438	19153C>T	C/C
GENOTYPE	METABOLIZER	ACTIVITY
*1/*1	EXTENSIVE	NORMAL

CYP2C9

rs NCBI	POLYMORPH	GENOTYPE
rs1799853	430C>T	C/C
rs1057910	1075A>C	A/A
rs28371686	1080C>G	C/C
rs9332131	818delA	A/A
rs7900194	449G>A	G/G
rs7900194	449G>T	G/G
rs28371685	1003C>T	Т/Т
rs56165452	1076T>C	T/T
GENOTYPE	METABOLIZER	ACTIVITY
*11/*11	POOR	NONE

DEMO_DS Page 12 of 64



CYP2D6

rs NCBI	POLYMORPH	GENOTYPE
Dup/Del	xN	x2
rs1080985	-1584C>G	C/C
rs1065852	100C>T	C/C
rs774671100	del>A	del/del
rs201377835	883G>C	C/C
rs28371706	1023C>T	C/C
rs5030655	1707delT	T/T
rs5030865	1758G>T	C/C
rs5030865	1758G>A	C/C
rs3892097	1846G>A	G/G
rs35742686	2549delA	A/A
rs5030656	2615_2617delAAG	T/T
rs16947	2850C>T	G/G
rs5030867	2935A>C	A/A
rs28371725	2988G>A	G/G
rs59421388	3183G>A	C/C
rs1135840	4180G>C	G/G
rs5030862	124G>A	C/C
GENOTYPE	METABOLIZER	ACTIVITY
*1/*1	EXTENSIVE	NORMAL

CYP2E1

rs NCBI	POLYMORPH	GENOTYPE
rs72559710	1132G>A	G/G
CENCT/DE		
GENOTYPE	METABOLIZER	ACTIVITY

CYP3A4

rs NCBI	POLYMORPH	GENOTYPE
rs2740574	A>G	A/A
rs55785340	A>G	A/A
rs4986910	T>C	T/T
rs55951658	T>C	T/T
rs55901263	G>C	G/G
rs4646438	del>A	del/del
rs4986908	C>G	C/C
rs67784355	G>A	G/G
rs4987161	T>C	T/T
rs28371759	T>C	T/T
rs67666821	del>T	del/del
rs35599367	C>T	C/C
GENOTYPE	METABOLIZER	ACTIVITY
*1/*1	EXTENSIVE	NORMAL

CYP3A5

rs NCBI	POLYMORPH	GENOTYPE
rs776746	6986A>G	A/A
rs10264272	14690G>A	C/C
rs55817950	3699C>T	G/G
rs28383479	19386G>A	G/G
rs41303343	27131_27132insT	del/del
GENOTYPE	METABOLIZER	ACTIVITY
*1/*1	EXTENSIVE	NORMAL

DEMO_DS Page 13 of 64



DPYD

rs NCBI	POLYMORPH	GENOTYPE
rs3918290	1905+1G>A	A/A
GENOTYPE	METABOLIZER	ACTIVITY
*2A/*2A	POOR	NONE

NAT2

rs NCBI	POLYMORPH	GENOTYPE
rs1801279	G191A	G/G
rs1041983	C282T	C/C
rs1801280	T341C	T/C
rs1799929	C481T	C/T
rs1799930	G590A	G/G
rs1208	A803G	G/A
rs1799931	G857A	G/G
GENOTYPE	METABOLIZER	ACTIVITY
N/A	INTERMEDIATE	SLOW

TPMT

rs NCBI	POLYMORPH	GENOTYPE
rs1800460	G>A	G/G
rs1142345	A>G	A/A
rs1800462	G>C	G/G
GENOTYPE	METABOLIZER	ACTIVITY
*1/*1	EXTENSIVE	NORMAL

SLCO1B1

rs NCBI	POLYMORPH	GENOTYPE
rs4149056	521T>C	C/T
rs2306283	388A>G	T/T
GENOTYPE	METABOLIZER	ACTIVITY
*1A/*5	INTERMEDIATE	SLOW

VKORC1

rs NCBI	POLYMORPH	GENOTYPE
rs9923231	-1639G>A	C/C
GENOTYPE	RI	SK
C/C	N	0

UGT1A1

rs NCBI	POLYMORPH	GENOTYPE
rs887829	C>T	Т/Т
GENOTYPE	METABOLIZER	ACTIVITY
*80/*80	POOR	NONE

LEGEND: rsNCBI = name of examined genetic variation, POLYMORPHISM = pattern of genetic variation, GENOTYPE = personal test result, METABOLIZER = personal metabolism profile, ACTIVITY = enzymatic activity

Please note: We examined a selection of the most common genetic variations affecting your drug metabolism. There are other variations, though only very rarely occurring, which we did not test thoroughly that may affect your drug metabolism, as well. Additionally you have to consider drug interactions, inhibitors, inductors, life style and existing medical conditions prior choosing a treatment or medication.

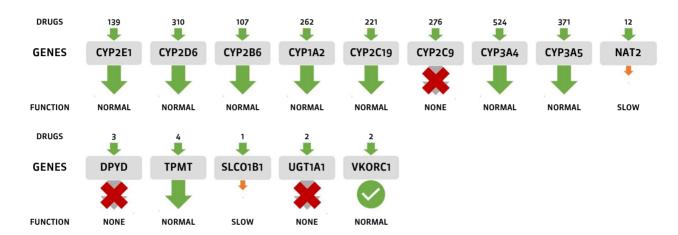
DEMO_DS Page 14 of 64





Summary of the relevant genes

Here, you can view your status of examined genes relevant to the breakdown and activation of various types of medication.



Legend



NORMAL

The breakdown and/or activation of drugs via this gene work normally.

RISK ALLELE CARRIER

A

GENE

RISK

This genetic variation increases the risk of side effects of certain drugs.

(ULTRA-)RAPID METABOLIZER



The breakdown and/or activation of drugs via this gene is faster than usual.

NO RISK ALLELE CARRIER



NORMAL

This genetic variation does not increase the risk of side effects.

INTERMEDIATE METABOLIZER



SLOW

The breakdown and/or activation of drugs via this gene is slower than usual.

POOR METABOLIZER



The breakdown and/or activation of drugs via this gene is insufficient.



DEMO_DS Page 15 of 64



Evaluation of medications

Since the status of your medication-metabolizing genetics is now known, we can assess how the breakdown and activation of various drugs are impaired in your body. Based on this information, we've evaluated individual medications and active ingredients for you in 3 categories (effect, breakdown, dose). This information will help your doctor determine the correct selection and dosage for your medication.

Please note: The right choice and dose of medication is always the responsibility of the doctor. Never make your own decision on whether to stop taking a medication or changing its dose!

Here is an explanation of each symbol used in the results table:

Effect



Considering your genetic map, this medication has a normal effect. A dosage adjustment is not necessary from a genetic point of view.



Your body activates this medication too quickly (over 30% faster). This can lead to an overdose of the active ingredient. A lower dose is recommended from a genetic point of view.



Your body activates this medication too slowly (between 30%-70% of normal activation). This can lead to an under-dosing of the active ingredient. A higher dose will be necessary to achieve its optimal effect, but the breakdown speed must also be taken into account here.



Your body is unable to sufficiently activate the drug (less than 30% of normal activation). This may render the drug ineffective. An alternative to this medication is recommended from a genetic point of view.

Breakdown



Your body is able to break down this drug with sufficient speed. An adjustment of the dosage is not necessary based on genetics.



The medication is broken down by your body too quickly (more than 30% faster than normal). This may result in a drug concentration that is too low. Genetically speaking, a higher dose would be necessary to achieve the desired effect.

DEMO_DS Page 16 of 64





Your body is too slow in breaking down this medication (between 30%-70% of the normal breakdown rate). If you are taking this medication regularly, it may lead to a constantly increasing concentration of the drug in your body. A lower dose is recommended from a genetic point of view.



Your body is unable to sufficiently break down the drug (less than 30% of normal breakdown). If taken regularly, it can lead to a very high drug concentration in the body resulting in severe side effects. An alternative to this medication is recommended from a genetic point of view.

Dose



Neither the effect nor the breaking down of the medication is impaired. A dosage adjustment is not necessary from a genetic point of view.



Due to the faster breakdown, a dose increase of about 130%-200% is recommended from a genetic point of view. Start with the standard dose. In the absence of therapeutic success, a slow increase in dose under medical supervision is advised.



Due to a stronger effect or slower breakdown, a reduction of the dose to between 30% and 70% of the standard dose is recommended from a genetic point of view. It would be advisable to start with a small dose and only slowly increase the dose to the normal dose under medical supervision, if the therapeutic result is not reached.



Due to no effect or no breakdown, an alternative drug is recommended from a genetic point of view. If this is not possible, it is recommended to start with a small dose (3%- 70% of the standard dose) and slowly increase the dose to the normal dose under medical supervision, if the therapeutic result is not reached.



DEMO_DS Page 17 of 64



Effect on medication

The following list contains drug delivery guidelines that were published from organizations such as the CPIC (Clinical Pharmacogenetics Implementation Consortium), the Royal Dutch Association for the Advancement of Pharmacy (DPWG), the CPNDS (Canadian Pharmacogenomics Network for Drug Safety), and other professional societies. These results should always be considered by the treating physician.

Drug status

Recommendation for you

Abacavir	X	Abacavir is not recommended. High risk of hypersensitivity (~6% of patients) due to the presence of at least one HLA-B*57:01 allele.
Acenocoumarol	+ <	Check INR more frequently.
Amitriptyline		There is no dose recommendation for this drug.
Aripiprazole	1	There is no dose recommendation for this drug.
Atazanavir	1 x	Consider an alternative agent particularly where jaundice is of concern to the patient.
Atomoxetine		There is no dose recommendation for this drug.
Azathioprine		There is no dose recommendation for this drug.
Capecitabine	XX	Select alternative drug. Tegafur is not a suitable alternative because this drug is also metabolized by DPD.
Citalopram	1	There is no dose recommendation for this drug.
Clomipramine	1	There is no dose recommendation for this drug.
Clopidogrel	+	There is no dose recommendation for this drug.
Codeine		There is no dose recommendation for this drug.
Desipramine		There is no dose recommendation for this drug.

DEMO_DS Page 18 of 64



Escitalopram	1	There is no dose recommendation for this drug.
Esomeprazole		There is no dose recommendation for this drug.
Flecainide		There is no dose recommendation for this drug.
Fluorouracil	XX	Select alternative drug. Tegafur is not a suitable alternative because this drug is also metabolized by DPD.
Fluvoxamine		There is no dose recommendation for this drug.
Haloperidol	1	There is no dose recommendation for this drug.
Imipramine		There is no dose recommendation for this drug.
Irinotecan	+	Reduce initial dose by 30% for patients receiving more than 250 mg/m2. Increase dose in response to neutrophil count.
Lansoprazole	1	There is no dose recommendation for this drug.
Mercaptopurine		There is no dose recommendation for this drug.
Metoprolol		There is no dose recommendation for this drug.
Nortriptyline		There is no dose recommendation for this drug.
Ondansetron	1	There is no dose recommendation for this drug.
Oxycodone	1	There is no dose recommendation for this drug.
Pantoprazole		There is no dose recommendation for this drug.
Paroxetine		There is no dose recommendation for this drug.
Phenprocoumon	+	Check INR more frequently.
Phenytoin	×	Use standard loading dose and reduce maintenance dose by 50%. Evaluate response and serum concentration after 7-10 days. Be alert to ADEs (e.g. ataxia, nystagmus, dysarthria, sedation).
Propafenone		There is no dose recommendation for this drug.
Risperidone		There is no dose recommendation for this drug.
Sertraline		There is no dose recommendation for this drug.

DEMO_DS Page 19 of 64



Simvastatin	+ x	Prescribe a lower dose or consider an alternative statin (e.g. pravastatin or rosuvastatin); consider routine CK surveillance.
Tacrolimus	+ +	Increase starting dose 1.5-2 times recommended starting dose. Total starting dose should not exceed 0.3mg/kg/day. Use therapeutic drug monitoring to guide dose adjustments.
Tamoxifen	××	Avoid moderate and strong CYP2D6 inhibitors. Initiate therapy with recommended standard of care dosing.
Tegafur	XX	Select alternative drug. Fluorouracil or capecitabine are not suitable alternatives because both are also metabolized by DPD.
Thioguanine		There is no dose recommendation for this drug.
Tramadol		There is no dose recommendation for this drug.
Tropisetron		There is no dose recommendation for this drug.
Venlafaxine		There is no dose recommendation for this drug.
Voriconazole	X	There is no dose recommendation for this drug.
Warfarin	XX	Use www.warfarindosing.org to calculate exact warfarin dosing recommendation.
Zuclopenthixol		There is no dose recommendation for this drug.

Source: https://www.pharmgkb.org/page/citingPharmgkb



DEMO_DS Page 20 of 64



Effect on medication

The following list contains medications that have been evaluated by their degradation and activation pathways. This information will help your doctor to choose and dose your medication properly.

	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
[32P]Natriumphosphat				4-dimethylaminophenol				Abacavir			X
Abarelix				Abciximab				Abiraterone			
Acadesine				Acamprosate				Acarbose			
Acebutolol				Aceclidine				Aceclofenac		X	×
Acefylline Piperazine				Acemetacin				Acenocoumarol		•	
Acepromazine				Acetarsol				Acetazolamide			
Acetohexamide				Acetohydroxamic Acid				Acetophenazine			
Acetoxolone				Acetylcarnitine				Acetylcholin			
Acetylcysteine				Acetyldigitoxin				Acetyldigoxin			
Acetylglycinamide Chloral Hydrate				Acetylleucine				Acetylsalicylic Acid		X	×
Acipimox				Acitretin				Aclarubicin			
Acriflavinium Chloride				Acrivastine				Adalimumab			
Adefovir Dipivoxil				Ademetionine				Adenosine			
Adinazolam				Adrafinil				Adrenalone			
Afatinib				Afelimomab				Agomelatine			
Ajmaline				Alanyl Glutamine				Alaproclate			
Albendazole	•	•	•	Alclofenac				Alclometasone			
Alcuronium				Aldesulfone Sodium				Aldosterone			
Alemtuzumab				Alendronic Acid				Alfaxalone			
Alfentanil		•	•	Alfuzosin		•	•	Algeldrate			
Alginic Acid				Alimemazine				Aliskiren		•	•

DEMO_DS Page 21 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Alitretinoin				Alizapride				Allobarbital			
Allopurinol				Allylestrenol				Almagate			
Almasilate				Alminoprofen				Almitrine			
Almotriptan		•	•	Alogliptin				Alosetron			
Alprazolam		•	•	Alprenolol				Alprostadil			
Alsactide				Altretamine				Alum			
Aluminium Acetoacetate				Aluminium Acetotartrate				Aluminium Clofibrate			
Aluminium Glycinate				Aluminium Hydroxide				Aluminium Nicotinate			
Aluminium Phosphate				Alverine				Alvimopan			
Amantadin				Ambazone				Ambenonium			
Ambrisentan				Ambroxol				Amcinonide			
Amezinium Metilsulfate				Amfepramone				Amifostine			
Amiloride				Amineptine				Amino(Diphenylhydantoin) Valeric Acid			
Aminobutyric Acid				Aminocaproic Acid				Aminogluthetimide			
Aminohippuric Acid				Aminolevulinic Acid				Aminomethylbenzoic Acid			
Aminophenazone				Aminophylline				Aminosalicylic Acid			
Amiodarone		•	•	Amisulpride				Amitriptyline			
Amlexanox				Amlodipine		•	•	Ammonium Chloride			
Amobarbital				Amodiaquine				Amoxapine			
Amoxicillin				Amphotericin B				Ampicillin			
Amprenavir		•	•	Amrinone				Amrubicin			
Amsacrine				Amyl Nitrite				Anagrelide			
Anakinra				Anastrozole				Androstanolone			
Anecortave				Anethole Trithione				Angiotensinamide			
Anidulafungin				Anileridine				Aniracetam			
Antimony Pentasulfide				Apomorphine				Apraclonidine			
Aprepitant		•	1	Aprindine				Aprobarbital			
Apronal				Aprotinin				Arbekacin			
Arbutamine				Argatroban		•	•	Arginine Glutamate			

DEMO_DS Page 22 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Arginine Hydrochloride				Argipressin				Aripiprazole		•	
Arsenic Trioxide				Arsthinol				Artemether		•	•
Artemisinin				Artemotil				Artenimol			
Artesunate				Articaine				Asenapine			
Asparaginase				Aspoxicillin				Astemizole		•	•
Atazanavir		•	X	Atenolol				Atomoxetine			
Atorvastatin		•	•	Atosiban				Atovaquone			
Atracurium				Atropine				Auranofin			
Aurothioglucose				Aurotioprol				Axitinib			
Azacitidine				Azanidazole				Azapetine			
Azapropazone				Azatadine				Azathioprine			
Azidamfenicol				Azidocillin				Azithromycin		•	•
Azlocillin				Aztreonam				Bacampicillin			
Baclofen				Balsalazide				Bambuterol			
Bamethan				Bamifylline				Barbexaclone			
Barbital				Barnidipine				Bazedoxifene			
Beclamide				Beclometasone				Befunolol			
Bekanamycin				Bemegride				Bemiparin			
Benazepril				Bencyclane				Bendamustine			
Bendroflumethiazide				Benfluorex				Benidipine			
Benorilate				Benoxaprofen				Benperidol			
Benproperine				Bentiromide				Benzathine Benzylpenicillin			
Benzathine Phenoxymethylpenicillin				Benzatropine				Benzbromarone			\checkmark
Benzethonium				Benzilone				Benziodarone			
Benznidazole				Benzocaine				Benzoctamine			
Benzonatate				Benzoxonium Chloride				Benzydamine			$\overline{\mathbf{A}}$
Benzyl Benzoate				Benzylpenicillin				Benzylthiouracil			
Bephenium				Bepridil				Beraprost			
Bergapten				Betahistine				Betaine			

DEMO_DS Page 23 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Betaine Hydrochloride				Betamethason				Betanidine			
Betaxolol				Betazole				Bethanechol			
Bevacizumab				Bevantolol				Bevonium			
Bexarotene				Bezafibrate				Bezitramide			
Biapenem				Bibenzonium Bromide				Bibrocathol			
Bicalutamide		•	•	Bietaserpine				Bifemelane			
Bilastine				Bimatoprost				Bioallethrin			
Biperiden				Bisacodyl				Bismuth Subcitrate			
Bismuth Subnitrate				Bisoprolol		•	•	Bisoxatin			
Bitolterol				Bleomycin				Bopindolol			
Boric Acid				Bornaprine				Bortezomib		•	•
Bosentan		•	•	Bosutinib				Bretylium Tosilate			
Brimonidine				Brinzolamide		•	•	Brivudine			
Brodimoprim				Bromazepam		•	•	Bromazine			
Bromfenac				Bromhexine				Bromides			
Bromisoval				Bromocriptine		•	•	Bromopride			
Bromperidol				Brompheniramine				Brotizolam			
Broxyquinoline				Bucetin				Bucillamine			
Bucladesine				Buclizine				Budesonide			
Budipine				Bufexamac				Buflomedil			
Buformin				Bufylline				Bumadizone			
Bumetanide				Bunaftine				Buphenine			
Bupivacaine				Bupranolol				Buprenorphine		•	•
Bupropion				Buserelin				Buspirone		•	•
Busulfan		•	•	Butalamine				Butamirate			
Butanilicaine				Butaperazine				Butobarbital			
Butoconazole				Butorphanol				Butriptyline			
Butylscopolamine				Cabazitaxel		•	•	Cabergoline		•	
Cadralazine				Cafedrine				Calcium Aminosalicylate			

DEMO_DS Page 24 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Calcium Carbimide				Calcium Carbonate				Calcium Compounds			
Calcium Dobesilate				Calcium Folinate				Calcium Levofolinate			
Calcium Silicate				Camazepam				Camostat			
Camphora				Camylofin				Candesartan		•	•
Candicidin				Canrenone				Capecitabine		×	×
Capreomycin				Captodiame				Captopril			
Carbachol				Carbamazepine	•	•	•	Carbamide			
Carbasalate Calcium				Carbazochrome				Carbenicillin			
Carbenoxolon				Carbetocin				Carbidopa			
Carbimazole				Carbinoxamine				Carbocisteine			
Carbocromen				Carboplatin				Carboprost			
Carboquone				Carbromal				Carbutamide			
Carbuterol				Carfecillin				Carglumic Acid			
Carindacillin				Carisbamate				Carisoprodol			
Carmofur				Carmustine				Caroverine			
Carteolol				Carumonam				Carvedilol		×	×
Casopitant				Caspofungin				Cathine			
Cefacetrile				Cefaclor				Cefadroxil			
Cefalexin				Cefaloridine				Cefalotin			
Cefamandole				Cefapirin				Cefatrizine			
Cefazedone				Cefazolin				Cefbuperazone			
Cefcapene				Cefdinir				Cefditoren			
Cefepime				Cefetamet				Cefixime			
Cefmenoxime				Cefmetazole				Cefminox			
Cefodizime				Cefonicide				Cefoperazone			
Ceforanide				Cefotaxime				Cefotetan			
Cefotiam				Cefoxitin				Cefozopran			
Cefpiramide				Cefpirome				Cefpodoxime			
Cefprozil				Cefradine				Cefroxadine			

DEMO_DS Page 25 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Cefsulodin				Ceftaroline Fosamil				Ceftazidime			
Ceftezole				Ceftibuten				Ceftizoxime			
Ceftobiprole Medocaril				Ceftriaxone				Cefuroxime			
Celecoxib		×	X	Celiprolol				Cerium Oxalate			
Cerivastatin			•	Ceruletide				Cetiedil			
Cetirizine		•	•	Cetrorelix				Cetuximab			
Cetylpyridinium				Cevimeline		•	•	Chenodeoxycholic Acid			
Chinin		•	•	Chiniofon				Chloral Hydrate			
Chloralodol				Chlorambucil				Chlorbenzoxamine			
Chlorcyclizine				Chlordiazepoxide		•	•	Chlorhexidine			
Chlormadinone				Chlormethine				Chlormezanone			
Chlorobutanol				Chloroprocaine				Chloroquine	•		•
Chlorothiazide				Chlorotrianisene				Chlorphenamine			
Chlorproethazine				Chlorpromazine				Chlorpropamide		•	•
Chlorprothixene				Chlortalidone				Chlortetracycline			
Chlorzoxazone				Cholic Acid				Choline Alfoscerate			
Choline Fenofibrate				Choline Salicylate				Choline Theophyllinate			
Chondroitin Sulfate				Chromium (51Cr) Edetate				Cibenzoline			
Ciclesonide			•	Cicletanine				Ciclobendazole			
Ciclonicate				Ciclosporin		•	•	Cidofovir			
Cilansetron				Cilazapril				Cilnidipine			
Cilostazol			•	Cimetidine				Cimetropium Bromide			
Cinacalcet			•	Cinchocaine				Cinchophen			
Cinepazet				Cinepazide				Cinnarizin			
Cinolazepam				Cinoxacin				Ciprofibrate			
Ciprofloxacin				Cisapride		•	•	Cisatracurium			
Cisplatin				Citalopram		•		Citicoline			
Citiolone				Cladribine				Clarithromycin		•	•
Clavulans□Ure				Clebopride				Clefamide			

DEMO_DS Page 26 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Clenbuterol		a a		Clevidipine	<u>m</u>	E E		Clevudine		a a	
Clindamycin				Clobazam			•	Clobenzorex			
Clobetasol				Clobetasone				Clobutinol			
Clocortolone				Clodantoin				Clodronic Acid			
Clofarabine				Clofazimine				Clofedanol			
Clofenamide				Clofenotane				Clofezone			
Clofibrate				Clofibride				Clofoctol			
Clomethiazole				Clometocillin				Clomifene			
Clomipramine				Clomocycline				Clonazepam			
Clonidine				Clopamide				Clopenthixol			
Cloperastine				Clopidogrel				Cloprednol			
Cloranolol				Clorexolone				Cloricromen			
Cloridarol				Clorindione				Clotiapine			
Clotiazepam				Clotrimazole				Cloxacillin			
Cloxazolam				Clozapine				Cobalt			
Codeine				Colchicine				(58Co) Cyanocobalamine			
								Colfosceril			
Collection				Colestyramine				Palmitate Conjugated			
Colistin				Conivaptan				Estrogens			
Copper Oleinate				Copper Usnate				Corticorelin			
Corticotropin				Cortisone				Cortivazol			
Creatinolfosfate			V	Cromoglicic Acid				Crospovidone			
Cyamemazine				Cyclandelate		M		Cyclizine		M	M
Cyclobarbital				Cyclobenzaprine Cycloguanil				Cyclobutyrol		M	
Cyclofenil				Embonate		M	Y	Cyclopenthiazide			
Cyclopentolate				Cyclophosphamide				Cycloserine			
Cyclothiazide				Cyfluthrin				Cymarin			
Cypermethrin				Cyproheptadin				Cyproterone			
Cytarabine				Dabigatran Etexilate				Dacarbazine			
Daclizumab				Dactinomycin				Dalbavancin			

DEMO_DS Page 27 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Danaparoid				Danazol				Dantrolene		•	•
Dantron				Dapagliflozin				Dapiprazole			
Daptomycin				Darunavir		•	•	Dasatinib		•	•
Daunorubicin				Deanol				Debrisoquine			
Decamethrin				Decitabine				Deferasirox			
Deferiprone				Deferoxamine				Deflazacort			
Degarelix				Delapril				Delavirdine		•	•
Demecarium				Demecolcine				Demegestone			
Demoxytocin				Deptropine				Dermatan Sulfate			
Desaspidin				Deserpidine				Desflurane			
Desipramine				Desirudin				Deslanoside			
Desloratadine		•	•	Desmopressin				Desogestrel		•	•
Desonide				Desoximetasone				Desoxycortone			
Desvenlafaxine				Dexamethasone		•	•	Dexbrompheniramine			
Dexchlorpheniramine				Dexetimide				Dexfenfluramine			
Dexibuprofen				Dexketoprofen				Dexlansoprazole			
Dexmedetomidine				Dexpanthenol				Dexrazoxane			
Dextran				Dextromethorphan				Dextromoramide			
Dextropropoxyphene				Dextrothyroxine				Dezocine			
Diacerein				Diamorphine				Diazepam		•	•
Diazoxide				Dibekacin				Dibenzepin			
Dibromotyrosine				Dibunate				Dibutylphthalate			
Dibutylsuccinate				Dichloralphenazone				Dichlorobenzyl Alcohol			
Dichlorophen				Diclofenac		X	×	Diclofenamide			
Dicloxacillin				Dicoumarol		×	×	Dicycloverine			
Didanosine				Dienestrol				Dienogest			
Diethyl Ether				Diethylcarbamazine				Diethylstilbestrol			
Diethyltoluamide				Difemerine				Difenoxin			
Difenpiramide				Difetarsone				Diflorasone			

DEMO_DS Page 28 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Diflucortolone				Diflunisal				Difluprednate			
Digitoxin		•	•	Digoxin				Dihexyverine			
Dihydralazine				Dihydrocodeine				Dihydroemetine			
Dihydroergocristine				Dihydroergocryptine Mesylate				Dihydroergotamine		•	
Dihydrostreptomycin				Dihydroxialumini Sodium Carbonate				Diiodohydroxyquinoline			
Diiodotyrosine				Diisopromine				Dilazep			
Diloxanide				Diltiazem		•	•	Dimefline			
Dimemorfan				Dimercaprol				Dimetacrine			
Dimethoxanate				Dimethyl Sulfoxide				Dimethylaminopropionylph enothiazine			
Dimethylcarbate				Dimethylphthalate				Dimethyltubocurarine			
Dimeticone				Dimetofrine				Dimetotiazine			
Dinoprost				Dinoprostone				Diosmectite			
Diosmin				Diphemanil				Diphenadione			
Diphenhydramin				Diphenoxylate				Dipivefrine			
Diprophylline				Dipyridamole				Dipyrocetyl			
Dirithromycin		•	•	Disopyramide		•	•	Distigmine			
Disulfiram				Ditazole				Dixanthogen			
Dixyrazine				Dobutamine				Docetaxel		•	•
Docusate Sodium				Dofetilide		•	•	Dolasetron			
Domiodol				Domiphen				Domperidone			
Donepezil		•	•	Dopexamine				Doripenem			
Dorzolamide				Dosulepin				Doxacurium Chloride			
Doxapram				Doxazosin				Doxefazepam			
Doxepin				Doxercalciferol				Doxofylline			
Doxorubicin		•	1	Doxycycline		•	1	Doxylamin			
Dronabinol		•	•	Dronedarone				Droperidol		•	•
Dropropizine				Drotaverine				Droxicam			
Droxypropine				Duloxetine				Dutasteride		•	•
Dyclonine				Dydrogesterone				Ebastine			

DEMO_DS Page 29 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Ecallantide				Ecothiopate				Edetates			
Efaproxiral				Efavirenz		•	•	Eflornithine			
Efloxate				Elcatonin				Eletriptan		•	•
Eltrombopag				Emedastine				Emepronium			
Emetine				Emtricitabine				Emylcamate			
Enalapril				Encainide				Endralazine			
Enflurane				Enfuvirtide				Enoxacin			
Enoxaparin				Enoximone				Enprostil			
Entacapone				Entecavir				Epanolol			
Eperisone				Ephedrin				Epicillin			
Epimestrol				Epinastine				Epinephrine			
Epirubicin				Eplerenone		•	•	Epomediol			
Epoprostenol		X	X	Eprazinone				Eprosartan			
Eprozinol				Eptifibatide				Erdosteine			
Ergoloid Mesylates				Ergometrine				Ergotamine		•	•
Eritrityl Tetranitrate				Erlotinib		•	•	Ertapenem			
Escitalopram		•		Eslicarbazepine				Esmolol			
Esomeprazole				Estazolam		•	•	Estradiol		•	•
Estramustine				Estriol				Estrone			
Eszopiclone		•	•	Etacrynic Acid				Etafenone			
Etallobarbital				Etamiphylline				Etamivan			
Etamsylate				Etanercept				Ethacridinlactat			
Ethadione				Ethambutol				Ethchlorvynol			
Ethenzamide				Ethinylestradiol		•	•	Ethionamide			
Ethisterone				Ethosuximide		•	•	Ethotoin			
Ethyl Biscoumacetate				Ethyl Chloride				Ethyl Loflazepate			
Ethylestrenol				Ethylmorphine				Etidocaine			
Etidronic Acid				Etifoxine				Etilefrine			
Etizolam				Etodolac		×	×	Etofamide			

DEMO_DS Page 30 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Etofenamat				Etofibrate				Etofylline Nicotinate			
Etoglucid				Etohexadiol				Etomidate			
Etonogestrel				Etoperidone				Etoposide		•	•
Etoricoxib				Etozolin				Etravirine			
Etretinate				Etybenzatropine				Etynodiol			
Everolimus		•	•	Exemestane		•	•	Exenatide			
Ezetimibe				Famciclovir				Famotidine			
Fampridine				Fasudil				Fazadinium Bromide			
Febarbamate				Febuxostat				Fedrilate			
Felbamate		•	•	Felodipine		•		Fenbendazole			
Fenbufen				Fencamfamin				Fendiline			
Fenetylline				Fenfluramine				Fenofibrate			
Fenoldopam				Fenoprofen				Fenoterol			
Fenoverine				Fenozolone				Fenpiprane			
Fenpiverinium				Fenquizone				Fenspiride			
Fentanyl		•	•	Fentiazac				Fentonium			
Fenyramidol				Feprazone				Ferric Citrate			
Fesoterodine				Fexofenadine		•		Finasteride		•	•
Fingolimod				Fipexide				Flavoxate			
Flecainide				Fleroxacin				Floctafenine			
Flomoxef				Flosequinan				Fluanisone			
Flubendazole				Fluclorolone				Flucloxacillin			
Fludarabine				Fludiazepam				Fludrocortisone			
Fludroxycortide				Flufenamic Acid				Fluindione			
Flumazenil				Flumedroxone				Flumequine			
Flumetasone				Flunarizine		•	•	Flunitrazepam		•	
Flunoxaprofen				Fluocinolone Acetonide				Fluocinonide			
Fluocortin				Fluocortolone				Fluorescein			
Fluorometholone				Fluorouracil		×	×	Fluostigmine			

DEMO_DS Page 31 of 64



Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
	X	X	Fluoxymesterone				Flupenthixol			
			Fluphenazine				Flupirtine			
			Flurazepam		•	•	Flurbiprofen		X	×
			Fluspirilene				Flutamide		•	•
	•	•	Fluvastatin				Fluvoxamine			
			Fomivirsen				Fondaparinux			
			Formocortal				Formoterol		•	•
	•	•	Fosfestrol				Fosfocreatine			
			Fosfonet				Fosinopril			
	X	X	Fotemustine				Frovatriptan			
	•	•	Fumagillin				Furazolidon			
			Gabapentin				Galantamine		•	•
			Gallium (67Ga) Citrate				Gallopamil			
			Ganciclovir				Ganirelix			
			Gatifloxacin				Gedocarnil			
			Gefitinib		•	•	Gemcitabine			
			Gemfibrozil		•	•	Gemifloxacin			
			Gepirone				Gestonorone			
			Gitoformate				Glafenine			
			Glibenclamide		•	•	Glibornuride		×	×
	X	x	Glimepiride	+	×	×	Glipizide		X	×
			Glisoxepide				Glucosamine			
			Glutathione				Glutethimide			
			Glycine				Glycobiarsol			
			Glycyrrhizic Acid		1	1	Glymidine			
			Goserelin				Gramicidin			
			Grepafloxacin				G-Strophanthin			
			Guaiacolsulfonate				Guaifenesin			
			Guanazodine				Guanethidine			
				Fluoxymesterone Fluphenazine Flurazepam Fluspirilene Fluspirilene Fluvastatin Fomivirsen Formocortal Fosfestrol Fosfonet Fosfonet Fumagillin Gabapentin Gallium (67Ga) Citrate Ganciclovir Gatifloxacin Gefitinib Gemfibrozil Gepirone Gitoformate Glibenclamide XXX Glimepiride Glycine Glycine Glycine Glycyrrhizic Acid Grepafloxacin Grepafloxacin Guaiacolsulfonate	Fluoxymesterone Fluphenazine Flurazepam Fluspirilene Fluspirilene Fluspirilene Fomivirsen Fomivirsen Formocortal Fosfestrol Fosfonet Fosfonet Fumagillin Gabapentin Gallium (67Ga) Citrate Ganciclovir Gatifloxacin Gefitinib Gemfibrozil Gepirone Gitoformate Glibenclamide XXX Glimepiride Glycyrrhizic Acid Grepafloxacin	Fluoxymesterone Fluphenazine Flurazepam Fluspirilene Fluvastatin Formocortal Fosfonet Fosfone	Fluoxymesterone Fluphenazine Flurazepam Fluspirilene Fluvastatin Fomivirsen Formocortal Fosfestrol Fosfonet XXX Fotemustine Fumagillin Gabapentin Gallium (67Ga) Citrate Ganciclovir Gatifloxacin Gefitnib Gemfibrozil Gemfibrozil Gibenclamide XXX Glisoxepide Glutathione Glycyrrhizic Acid Grepafloxacin Grepafloxacin Grepafloxacin Grepafloxacin Grepafloxacin Grepafloxacin	Flupenthixol Fluphenazine Fluph	Flupenthixol Flupenthixol Flupirtine Flurazepam Flurazepam Flurapiprofen Fluspirilene Fluspirilene Flusastatin Fluvoxamine Fomivirsen Fomivirsen Fomocortal Fosfonceatine Fosfonet Fosfonet Fosfonet Fosfonet Fosfonet Fosfonet Fosfonet Fosfonet Fosfonetine Fosfonet Fosfonet Fosfonetine Fosfonet Fosfonetine Fosfonerine Fosfonetine Fosfonetin	Flupenthixol Fluphenazine Fluphenazine Flurazepam Flurazepam Fluspirine Fosinaparinux Fluspirine Fosfocreatine Fosfocreatine Fosiopril Fosfocreatine Frosfocreatine Fosinopril Furazolidon Galantamine Fosiopril

DEMO_DS Page 32 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Guanfacine				Guanoclor				Guanoxabenz			
Guanoxan				Gusperimus				Halazepam			
Halcinonide				Halofantrine		•	•	Halometasone			
Haloperidol		•		Halothane				Hematin			
Heptabarbital				Heptaminol				Hetacillin			
Hexafluronium				Hexapropymate				Hexetidine			
Hexobarbital				Hexobendine				Hexocyclium			
Hexoprenaline				Hexylresorcinol				Hidrosmin			
Histapyrrodine				Histrelin				Homatropine			
Hyaluronidase				Hydralazine				Hydrochlorothiazide			
Hydrocodone				Hydrocortisone		•	•	Hydrocortisone Aceponate			
Hydrocortisone Buteprate				Hydrocortisone Butyrate				Hydroflumethiazide			
Hydromorphone		•	•	Hydroquinine				Hydroquinone			
Hydrotalcite				Hydroxybutyric Acid				Hydroxycarbamide			
Hydroxychloroquine				Hydroxyethylpromethazine				Hydroxyprogesterone			
Hydroxyzine				Hymecromone				Hyoscyamine			
Hypromellose				Ibandronic Acid				Ibopamine			
Ibritumomab-Tiuxetan				Ibudilast				Ibuprofen		X	×
Ibuproxam				Ibutilide				Icatibant			
Iclaprim				Idanpramine				Idarubicin		•	•
Idebenone				lfenprodil				Ifn-A2A/B			
Ifosfamide	•	•	•	lloperidone				lloprost			
Imatinib	•	•	•	Imidapril				Imidazole Salicylate			
Imipenem				Imipramine				Imolamine			
Indacaterol				Indapamide				Indigo Carmine			
Indinavir		•	•	Indium (111In) Pentetic Acid				Indobufen			
Indometacin		•	•	Indoprofen				Indoramin			
Infliximab				Inosine Pranobex				Inositol Nicotinate			
Insulin Aspart				Insulin Glargine				Insulin Lispro			

DEMO_DS Page 33 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Insulindetemir				Insulinglulisin				lodine (1311) Norcholesterol			
lodine lofetamine (1231)				lodine loflupane (1231)				lodine Iolopride (1231)			
lodocholesterol (1311)				Ipratropiumbromid				Iprazochrome			
Ipriflavone				Iprindole				Iproclozide			
Iproniazide				Irbesartan		X	X	Irinotecan		•	•
Isepamicin				Isoaminile				Isobromindione			
Isocarboxazid				Isoetarine				Isoflurane			
Isometheptene				Isoniazid		X	×	Isoprenaline			
Isopropamide				Isosorbide Dinitrate				Isosorbide Mononitrate			
Isoxsuprine				Isradipine		•	•	Itraconazole		•	•
Itramin Tosilate				Ivabradine		•	•	Ivermectin		•	•
Ixabepilone				Josamycin				Kanamycin			
Kaolin				Kebuzone				Ketamine		•	•
Ketanserin				Ketazolam				Ketobemidone		•	•
Ketoprofen				Ketorolac				Ketotifen			
Krypton (81Mkr) Gas				Labetalol				Lacidipine		•	•
Lacosamide				Lactitol				Lactulose			
Lafutidine				Lamivudine				Lamotrigine			
Lanatoside C				Lanreotide				Lansoprazole		•	
Lanthanum Carbonate				Lapatinib		•	•	Lasofoxifene			
Latamoxef				Latanoprost				Leflunomide		X	×
Lenalidomide				Lentinan				Lepirudin			
Lercanidipine		•	•	Letosteine				Letrozole		•	•
Leuprorelin				Levacetylmethadol		•	•	Levamisole			
Levetiracetam				Levobunolol				Levobupivacaine		•	•
Levocarnitine				Levocetirizine				Levodopa			
Levodropropizine				Levofloxacin				Levoglutamide			
Levomepromazine				Levomethadone				Levonorgestrel		•	
Levosimendan				Levosulpiride				Levothyroxine Sodium			

DEMO_DS Page 34 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Levoverbenone				Lidocain				Lidoflazine			
Linagliptin				Lincomycin				Lindane			
Linezolid				Linopirdine		•	•	Linsidomine			
Liothyronine Sodium				Liraglutide				Lisdexamfetamine			
Lisinopril				Lisuride		•	•	Lithium Succinate			
Lodoxamide				Lofepramine				Lofexidine			
Lomefloxacin				Lomustine				Lonazolac			
Lonidamine				Loperamide				Loperamide Oxide			
Lopinavir		•	•	Loprazolam				Loracarbef			
Lorajmine				Loratadine		•	•	Lorazepam			
Lorcainide				Lormetazepam				Lornoxicam		X	×
Losartan	×	•	×	Loteprednol				Lovastatin		•	•
Loxapine				Lubiprostone				Lumiracoxib		•	•
Lymecycline				Lynestrenol				Lypressin			
Macrogol				Magaldrate				Magnesium Oxide			
Magnesium Peroxide				Magnesium Phosphate				Magnesiumsilicate			
Malathion				Mandelic Acid				Manidipine			
Mannosulfan				Maprotiline				Maraviroc			
Maribavir				Masoprocol				Mazaticol			
Mazindol				Mebendazole				Mebeverine			
Mebhydrolin				Mebutamate				Mebutizide			
Mecamylamine				Mecillinam				Meclofenamic Acid			
Meclofenoxate				Meclozin				Medazepam			
Medifoxamine				Medrogestone				Medroxyprogesterone		•	•
Medrysone				Mefenamic Acid		X	×	Mefenorex			
Mefloquine		•	•	Mefruside				Megestrol			
Meglumine Antimonate				Meglutol				Meladrazine			
Melagatran				Melarsoprol				Melatonin			
Melevodopa				Melitracen				Meloxicam		X	X

DEMO_DS Page 35 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Melperone				Melphalan				Memantine			
Mepacrine		•	•	Mepartricin				Mepenzolate			
Mephenesin				Mephenoxalone				Mephentermine			
Mephenytoin				Mepindolol				Mepivacaine			
Mepixanox				Mepolizumab				Meprednisone			
Meprobamate				Meprotixol				Meptazinol			
Mequinol				Mequitazine				Mercaptamine			
Mercaptopurine				Meropenem				Mersalyl			
Mesalazine				Mesna				Mesoridazine			
Mesterolone				Mesuximide				Metabutethamine			
Metacycline				Metahexamide				Metamizole Sodium			
Metampicillin				Metandienone				Metaraminol			
Metenolone				Metergoline				Metformin	•		
Methadone		•	•	Methallenestril				Methantheline			
Methapyrilene				Methaqualone				Metharbital			
Methazolamide				Methdilazine				Methenamine			
Methionine				Methiosulfonium Chloride				Methocarbamol			
Methohexital				Methoserpidine				Methotrexate			
Methoxamine				Methoxyflurane				Methoxyphenamine			
Methyclothiazide				Methyl Aminolevulinate				Methylatropine			
Methylcellulose				Methyldopa (Levorotatory)				Methylergometrine		•	•
Methylestrenolone				Methylnaltrexone Bromide				Methylpentynol			
Methylphenidate				Methylphenobarbital				Methylprednisolone		•	•
Methylprednisolone Aceponate				Methylpropylpropanediol Dinitrate				Methylscopolamine			
Methyltestosterone				Methylthioninium Chloride				Methylthiouracil			
Methyprylon				Methysergide				Meticillin			
Meticrane				Metildigoxin				Metipranolol			
Metirosine				Metisazone				Metixene			
Metoclopramide				Metolazone				Metopimazine			

DEMO_DS Page 36 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Metoprolol				Metrifonate				Metronidazole			
Metyrapone				Mexiletine				Mezlocillin			
Mianserin				Mibefradil				Micafungin			
Miconazole		•	•	Micronomicin				Midazolam	•	•	•
Midecamycin				Midodrine				Mifamurtide			
Mifepristone		•	•	Miglitol				Miglustat			
Milnacipran				Milrinone				Miltefosine			
Minaprine				Minocycline				Minoxidil			
Miocamycin				Mipomersen				Mirtazapine			
Misoprostol				Mitiglinide				Mitobronitol			
Mitoguazone				Mitomycin				Mitotane			
Mitoxantrone				Mivacurium Chloride				Mizolastine		•	•
Moclobemide				Modafinil		•	•	Moexipril			
Mofebutazone				Molindone				Molsidomine			
Mometasone		•	•	Monobenzone				Monoethanolamine Oleate			
Monoxerutin				Montelukast		•	•	Moperone			
Moracizine				Morclofone				Morinamide			
Morniflumate				Moroxydine				Morphine			
Morpholine Salicylate				Mosapramine				Moxaverine			
Moxestrol				Moxifloxacin				Moxisylyte			
Moxonidine				Muronomab				Muzolimine			
Mycophenolic Acid		•	•	Myristyl-Benzalkonium				Nabilone			
Nabumetone				Nadolol				Nafarelin			
Naftazone				Naftidrofuryl				Nalbuphine			
Nalfurafine				Nalidixic Acid				Nalorphine			
Naloxone				Naltrexone				Nandrolone			
Naproxcinod				Naproxen		×	×	Naratriptan			
Narcobarbital				Natamycin				Nateglinide		•	•
Natriumhypochlorit				Natriumpentosanpolysulfat				Nebivolol			

DEMO_DS Page 37 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Nefazodone		•	•	Nefopam				Nelarabine			
Nelfinavir		•	•	Neltenexine				Neomycin			
Neostigmine				Nepafenac				Nepinalone			
Nesiritide				Netilmicin				Nevirapine		•	•
Nialamide				Niaprazine				Nicardipine		•	•
Nicergoline				Niceritrol				Niclosamide			
Nicofetamide				Nicofuranose				Nicomorphine			
Nicorandil				Nicotinic Acid				Nicotinyl Alcohol (Pyridylcarbinol)			
Nifedipine		•	•	Niflumic Acid				Nifuratel			
Nifuroxazide				Nifurtimox				Nifurtoinol			
Nifurzide				Nikethamide				Nilotinib		•	•
Nilutamide				Nilvadipine				Nimesulide		X	×
Nimodipine		•	•	Nimorazole				Nimustine			
Niperotidine				Niridazole				Nisoldipine		•	•
Nitazoxanide				Nitisinone				Nitrazepam			
Nitrendipine		•	•	Nitrofural				Nitrofurantoin			
Nitroprusside				Nitroxoline				Nizatidine			
Nizofenone				Nomegestrol				Nomifensine			
Nordazepam				Norepinephrine				Norethandrolone			
Norethisterone		•	•	Norfenefrine				Norfloxacin			
Norgestrienone				Normethadone				Nortriptyline			
Noscapine				Noxytiolin				Nystatin			
Obidoxime				Octopamine		•	•	Octreotide			
Ofloxacin				Olaflur				Olanzapine			
Oleandomycin				Olmesartan Medoxomil				Olopatadine			
Olsalazine				Omacetaxine Mepesuccinate				Omalizumab			
Omeprazole				Ondansetron		•		Opipramol			
Orciprenalin				Oritavancin				Orlistat			
Ornidazole		•	•	Ornipressin				Ornithine Oxoglurate			

DEMO_DS Page 38 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Orphenadrine (Citrate)				Oseltamivir				Otilonium Bromide			
Oxabolone Cipionate				Oxaceprol				Oxacillin			
Oxaflozane				Oxaliplatin				Oxametacin			
Oxamniquine				Oxandrolone				Oxantel			
Oxaprozin		×	×	Oxatomide				Oxazepam		•	•
Oxcarbazepine				Oxedrine				Oxeladin			
Oxetacaine				Oxetorone				Oxiracetam			
Oxitriptan				Oxitropium Bromide				Oxolamine			
Oxolinic Acid				Oxomemazine				Oxprenolol			
Oxybutynin		•	•	Oxycinchophen				Oxycodone		•	
Oxyfedrine				Oxymetholone				Oxypertine			
Oxyphenbutazone				Oxyphencyclimine				Oxyphenisatine			
Oxyphenonium				Oxyquinoline				Oxytocin			
Paclitaxel				Paclitaxel Poliglumex				Paliperidone			
Palonosetron				Pamidronic Acid				Pancreozymin (Cholecystokinin)			
Pancuronium				Panobinostat				Pantoprazole			
Papaveretum				Papaverine				Paracetamol			
Paraldehyde				Paramethadione				Paramethasone			
Paraoxon		•	•	Parathyroid Hormone				Parecoxib			
Pargyline				Paricalcitol				Paromomycin			
Paroxetine				Pazopanib				Pazufloxacin			
Pefloxacin				Pemetrexed				Pemoline			
Penamecillin				Penbutolol				Penfluridol			
Pengitoxin				Penicillamine				Penimepicycline			
Pentaerithrityl				Pentaerithrityl Tetranitrate				Pentagastrin			
Pentamidine Isethionate				Pentamycin				Pentazocine			
Pentetrazol				Penthienate				Pentifylline			
Pentobarbital				Pentostatin				Pentoxifylline			
Pentoxyverine				Perampanel				Perazine			

DEMO_DS Page 39 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Pergolide		•	•	Perhexiline				Periciazine			
Perindopril				Permethrin				Perphenazine			
Peruvoside				Pethidine				Phanquinone			
Phenacemide				Phenacetin				Phenazocine			
Phenazone				Phenazopyridine				Phenelzine		•	•
Pheneticillin				Pheneturide				Phenformin			
Phenglutarimide				Phenindamine				Phenindione			
Phenobarbital				Phenol				Phenolphthalein			
Phenolsulfonphthalein				Phenoperidine				Phenothrin			
Phenoxybenzamine				Phenoxymethylpenicillin				Phenprobamate			
Phenprocoumon		•		Phensuximide				Phentermine			
Phentolamine				Phenyl Salicylate				Phenylbutazone		•	•
Phenylephrine				Phenytoin		×	•	Phloroglucinol			
Pholcodine				Phthalylsulfathiazole				Physostigmine			
Picloxydine				Picotamide				Pidotimod			
Pilocarpine				Pimecrolimus		•	•	Pimethixene			
Pimozide		•	•	Pinacidil				Pinaverium			
Pinazepam				Pindolol				Pioglitazone		•	•
Pipamperone				Pipazetate				Pipecuronium Bromide			
Pipemidic Acid				Pipenzolate				Piperacillin			
Piperazine				Piperidione				Piperidolate			
Pipobroman				Pipotiazine				Pipradrol			
Piprozolin				Piracetam				Pirarubicin			
Pirbuterol				Pirenzepine				Piretanide			
Pirfenidone				Piribedil				Pirisudanol			
Piritramide				Piromidic Acid				Piroxicam		×	×
Pirprofen				Pitavastatin				Pivagabine			
Pivampicillin				Pivmecillinam				Pixantrone			
Pizotifen				Pleconaril				Plerixafor			

DEMO_DS Page 40 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Plicamycin				Poldine				Polidocanol			
Poly I:C				Poly Iclc				Polyestradiol Phosphate			
Polymyxin B				Polynoxylin				Polystyrene Sulfonate			
Polythiazide				Porfimer Sodium				Posaconazole			
Potassium Canrenoate				Potassium Clorazepate				Potassium Iodide			
Potassium Lactate				Potassium Perchlorate				Potassium Polysulfide			
Potassium Salicylate				Practolol				Prajmaline			
Pralatrexate				Pralidoxime				Pramipexole			
Pramiracetam				Pramocaine				Pranlukast			
Pranoprofen				Prasterone				Prasugrel			
Pravastatin				Prazepam		•	•	Praziquantel		•	•
Prazosin				Prednicarbate				Prednimustine			
Prednisolone		•	•	Prednisone		•	•	Prednylidene			
Pregabalin				Prenalterol				Prenoxdiazine			
Prenylamine				Prethcamide				Pridinol			
Prifinium Bromide				Prilocaine				Primaquine			
Primidone				Probenecid				Probucol			
Procainamide				Procaine				Procaine Benzylpenicillin			
Procarbazine				Procaterol				Prochlorperazine			
Procyclidine				Profenamine				Progabide			
Progesterone		•	•	Proglumetacin				Proglumide			
Proguanil				Prolintane				Promazine			
Promegestone				Promestriene				Propacetamol			
Propafenone				Propanidid				Propantheline			
Propatylnitrate				Propenidazole				Propentofylline			
Propicillin				Propiomazine				Propiverine			
Propofol		×	×	Propranolol				Propylthiouracil			
Propyphenazone				Proquazone				Proscillaridin			
Prothipendyl				Protiofate				Protionamide			

DEMO_DS Page 41 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Protirelin				Protriptyline				Proxazole			
Proxibarbal				Proxymetacaine				Proxyphylline			
Prucalopride				Prulifloxacin				Prussian Blue			
Pyrantel				Pyrazinamide				Pyrethrum			
Pyridostigmine				Pyrimethamine				Pyrithione Zinc			
Pyrithyldione				Pyritinol				Pyrrobutamine			
Pyrvinium				Quazepam				Quetiapine		•	•
Quinagolide				Quinapril				Quinbolone			
Quinethazone				Quingestanol				Quinidine		•	•
Quinupramine				Quinupristin/Dalfopristin				Rabeprazole		•	•
Racecadotril				Raloxifene				Raltegravir			
Raltitrexed				Ramelteon				Ramipril			
Ranimustine				Ranitidine				Ranitidine Bismuth Citrate			
Ranolazine				Rasagiline				Reboxetine		•	•
Regadenoson				Remifentanil				Remikiren			
Remoxipride				Repaglinide		•	•	Reposal			
Reproterol				Rescinnamine				Reserpine			
Reteplase				Retigabine				Rhenium (186Re) Etidronic Acid			
Ribavirin				Ribostamycin				Rifabutin		•	•
Rifampicin		•	•	Rifamycin				Rifapentine			
Rifaximin				Rilmenidine				Rilpivirine			
Riluzole				Rimantadine				Rimazolium			
Rimexolone				Rimiterol				Rimonabant		•	•
Risedronic Acid				Risperidone				Ritodrine			
Ritonavir		•	•	Rituximab				Rivastigmine			
Rizatriptan				Rociverine				Rocuronium Bromide			
Rofecoxib		•	•	Roflumilast				Rokitamycin			
Rolitetracycline				Romidepsin				Ronifibrate			
Ropinirole				Ropivacaine				Roquinimex			

DEMO_DS Page 42 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Rose Bengal Sodium				Rosiglitazone		X	×	Rosoxacin			
Rosuvastatin				Rotigotine				Roxatidine			
Roxithromycin		•	•	Rufinamide				Rufloxacin			
Rupatadine				Rutoside				Saccharated Iron Oxide			
Sacrosidase				Salbutamol		•	•	Salicylamide			
Salmeterol		•	•	Salsalate				Samarium (153Sm) Lexidronam			
Sapropterin				Saquinavir		•	•	Satraplatin			
Saxagliptin				Scopolamine				Secnidazole			
Secobarbital				Secretin				Sedalipid			
Selegiline		X	×	Selenium (75Se) Norcholesterol				Selenium (75Se) Tauroselcholic Acid			
Semustine				Senna Glycosides				Seratrodast		•	•
Sermorelin				Sertindole		•	•	Sertraline			
Sevelamer				Sevoflurane				Sibutramine		•	•
Sildenafil		•	1	Silodosin				Silymarin			
Simfibrate				Simvastatin		•	×	Sincalide			
Sirolimus		•	1	Sisomicin				Sitafloxacin			
Sitagliptin				Sitaxentan				Sobrerol			
Sodium Acetate				Sodium Aminosalicylate				Sodium Aurothiomalate			
Sodium Aurotiosulfate				Sodium Bicarbonate				Sodium Borate			
Sodium Chloride, Hypertonic				Sodium Citrate				Sodium Edetate			
Sodium Feredetate				Sodium Fluoride				Sodium Folinate			
Sodium Glycerophosphate				Sodium Iodide (1231)				Sodium Iodohippurate (1231)			
Sodium Iothalamate (1251)				Sodium Monofluorophosphate				Sodium Nitrite			
Sodium Perborate				Sodium Phenylbutyrate				Sodium Phosphate			
Sodium Picosulfate				Sodium Propionate				Sodium Salicylate			
Sodium Stibogluconate				Sodium Sulfate				Sodium Tartrate			
Sodium Tetradecyl Sulfate				Somatorelin				Somatostatin			
Sorafenib		•	•	Sorbitol				Sotalol			
Sparfloxacin				Sparteine				Spectinomycin			

DEMO_DS Page 43 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Spiramycin		•	•	Spirapril				Spironolactone			
Stannous Fluoride				Stanozolol				Stavudine			
Stepronin				Stibophen				Stiripentol			
Streptoduocin				Streptokinase				Streptomycin			
Streptozocin				Strontium (89Sr) Chloride				Strontium Ranelate			
Styramate				Succinimide				Succinylsulfathiazole			
Sucralfate				Sufentanil		•	•	Sulbactam			
Sulbenicillin				Sulfacetamide				Sulfadiazine		X	×
Sulfadicramide				Sulfadimethoxine				Sulfadimidine			
Sulfafurazole		•	•	Sulfaguanidine				Sulfaisodimidine			
Sulfalene				Sulfamazone				Sulfamethizole			
Sulfamethoxazole		X	×	Sulfamethoxypyridazine				Sulfametomidine			
Sulfametoxydiazine				Sulfamoxole				Sulfaperin			
Sulfaphenazole				Sulfapyridine				Sulfasalazine			
Sulfathiourea				Sulfatolamide				Sulfinpyrazon		X	×
Sulfobromophthalein				Sulindac				Suloctidil			
Sulpiride				Sulprostone				Sultamicillin			
Sultiame				Sultopride				Sumatriptan			
Sunitinib		•	•	Suprofen		X	X	Suramin Sodium			
Suxamethonium				Tacrine				Tacrolimus		•	•
Tadalafil		•	•	Tafluprost				Talampicillin			
Talastine				Talbutal				Talinolol			
Tamoxifen	×	X		Tamsulosin		•	•	Tapentadol			
Tasonermin				Tasosartan				Taurolidine			
Tazobactam				Technetium (99Mtc) Bicisate				Technetium (99Mtc) Butedronic Acid			
Technetium (99Mtc) Disofenin				Technetium (99Mtc) Etifenin				Technetium (99Mtc) Exametazime			
Technetium (99Mtc) Furifosmin				Technetium (99Mtc) Galtifenin				Technetium (99Mtc) Gluceptate			
Technetium (99Mtc) Gluconate				Technetium (99Mtc) Lidofenin				Technetium (99Mtc) Mebrofenin			
Technetium (99Mtc) Medronic Acid				Technetium (99Mtc) Mertiatide				Technetium (99Mtc) Oxidronic Acid			

DEMO_DS Page 44 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Technetium (99Mtc) Pertechnetate				Technetium (99Mtc) Phytate				Technetium (99Mtc) Pyrophosphate			
Technetium (99Mtc) Sestamibi				Technetium (99Mtc) Succimer				Technetium (99Mtc) Teboroxime			
Technetium (99Mtc) Tetrofosmin				Teclozan				Tedisamil			
Teduglutide				Tegafur		×	×	Tegaserod			
Teicoplanin				Telaprevir				Telavancin			
Telbivudine				Telithromycin		•	•	Telmisartan			
Temafloxacin				Temazepam				Temocapril			
Temocillin				Temoporfin				Temozolomide			
Temsirolimus				Tenidap				Teniposide		•	•
Tenitramine				Tenofovir Disoproxil				Tenonitrozole			
Tenoxicam		X	X	Terazosin				Terbutaline			
Terconazole				Terfenadine		1	•	Terguride			
Teriparatide				Terizidone				Terlipressin			
Terodiline				Tertatolol				Tesamorelin			
Testosterone		•	•	Tetrabenazine				Tetracaine			
Tetracosactide				Tetracycline				Tetramethrin			
Tetrazepam				Thalidomide		•	•	Thallium (201Tl) Chloride			
Thebacon				Theobromine				Theodrenaline			
Theophylline				Thiamazole				Thiamphenicol			
Thiazinam				Thiethylperazin				Thiocolchicoside			
Thiopental				Thiopropazate				Thioproperazine			
Thioridazine				Thiosulfate				Thiotepa			
Thiram				Thymopentin				Tiadenol			
Tiagabine		•	•	Tianeptine				Tiapride			
Tiaprofenic Acid				Tiazofurine				Tibezonium Iodide			
Tibolone				Ticagrelor				Ticarcillin			
Ticlopidine		•	•	Tidiacic Arginine				Tiemonium lodide			
Tienilic Acid		×	×	Tigecycline				Tilbroquinol			
Tilidine				Tiludronic Acid				Timepidium Bromide			

DEMO_DS Page 45 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Timolol				Tinidazole		•	•	Tiocarlide			
Tioclomarol				Tioctic Acid				Thioguanine			
Tiopronin				Tiotixene				Tiotropium Bromide			
Tipepidine				Tipranavir		•	•	Tiracizin			
Tiratricol				Tirilazad				Tirofiban			
Tiropramide				Tisopurine				Tixocortol			
Tizanidine				Tobramycin				Tocainide			
Tofisopam				Tolazamide				Tolazoline			
Tolbutamide	•	X	×	Tolcapone		•	•	Tolfenamic Acid			
Tolmetin				Tolonidine				Toloxatone			
Tolperisone				Tolrestat				Tolterodine		•	•
Tolvaptan				Topiramate				Topotecan			
Torasemide		×	×	Toremifene		•	•	Trabectedin			
Tramadol		•		Trandolapril				Tranexamic Acid			
Tranylcypromine				Trapidil				Trastuzumab			
Travoprost				Trazodone		•	•	Treosulfan			
Trepibutone				Treprostinil				Tretoquinol			
Triamcinolone				Triamterene				Triaziquone			
Triazolam		•	•	Trichlormethiazide				Trichloroethylene			
Triclabendazole				Triclofos				Tridihexethyl			
Trifluoperazine				Trifluperidol				Triflupromazin			
Trifluridine				Triflusal				Trihexyphenidyl			
Trilostane				Trimazosin				Trimebutine			
Trimetaphan				Trimetazidine				Trimethadione			
Trimethoprim		×	×	Trimethyldiphenylpropylam ine				Trimetrexate			
Trimipramine				Triprolidine				Triptorelin			
Tritoqualine				Trofosfamide				Troglitazone		•	•
Troleandomycin		1	•	Trolnitrate				Trometamol			
Tropatepine				Tropicamide				Tropisetron			

DEMO_DS Page 46 of 64



	Effect	Breakdown	Dose		Effect	Breakdown	Dose		Effect	Breakdown	Dose
Trospium				Trovafloxacin				Troxerutin			
Troxipide				Tryptophan				Tubocurarine			
Tulobuterol				Tyloxapol				Ubidecarenone			
Ulobetasol				Unoproston				Urapidil			
Urate Oxidase				Urofollitropin				Urokinase			
Ursodeoxycholic Acid				Valaciclovir				Valdecoxib			
Valganciclovir				Valnoctamide				Valproic Acid		•	•
Valpromide				Valrubicin				Valsartan		X	×
Vancomycin				Vandetanib				Vapreotide			
Vardenafil		•	•	Varenicline				Vasopressin			
Vecuronium				Vemurafenib				Venlafaxine			
Veralipride				Verapamil		•	•	Vernakalant			
Verteporfin				Vigabatrin				Vilazodone			
Vildagliptin				Viloxazine				Viminol			
Vinbarbital				Vinblastine		•	•	Vinburnine			
Vincamine				Vincristine		•	•	Vindesine		•	•
Vinflunine				Vinorelbine		•	•	Vinpocetine			
Vinyl Ether				Vinylbital				Visnadine			
Voclosporin				Voglibose				Voriconazole		X	
Vorinostat				Vorozole				Warfarin		×	X
Xaliproden				Xamoterol				Xantinol Nicotinate			
Xibornol				Ximelagatran		X	×	Xipamide			
Yohimbin				Zafirlukast		X	X	Zalcitabine			
Zaleplon		•	•	Zanamivir				Ziconotide			
Zidovudine				Zimeldine				Zinc Acetate			
Zinc Chloride				Zipeprol				Ziprasidone		•	•
Zofenopril				Zoledronic Acid				Zolendromat			
Zolimidine				Zolmitriptan				Zolpidem		•	•
Zomepirac				Zonisamide		•	•	Zopiclone		•	•

DEMO_DS Page 47 of 64

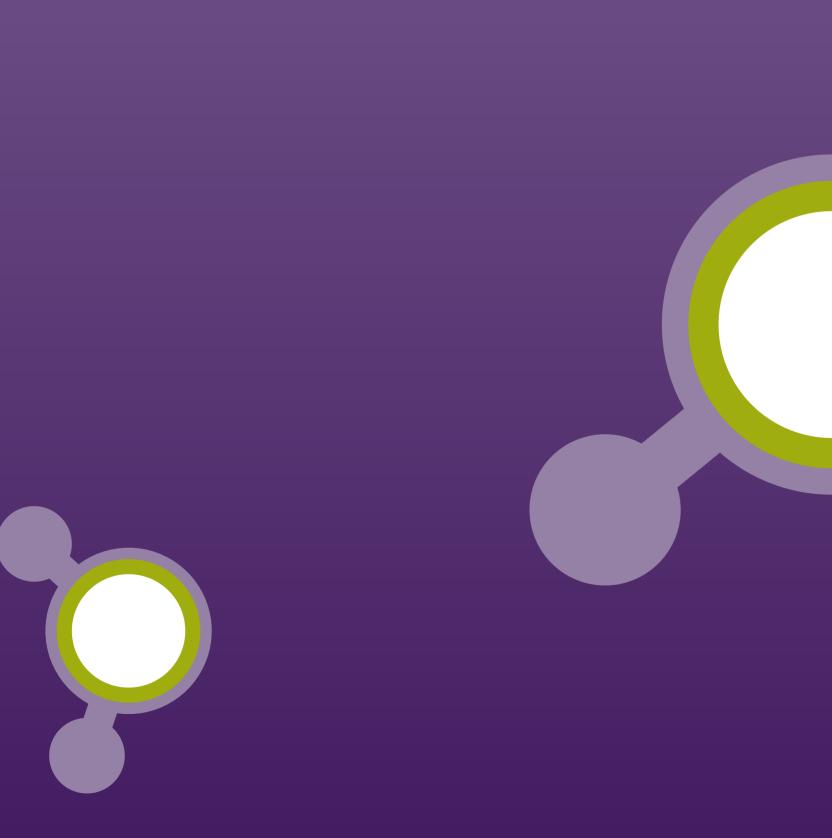


Effect

Breakdown

Breakdown

Dose





PHARMACO GENETICS

ONCOLOGY

Not ordered

CARDIOVASCULAR SYSTEM

Not ordered

NEUROLOGY

Not ordered

METABOLISM

Not ordered

MOVEMENT

Not ordered

DIGESTION

Not ordered

OPHTHALMOLOGY

Not ordered

ODONTOLOGY

Not ordered

OTHERS

Not ordered

SCIENCE

ADDITIONAL INFORMATION



SCIENCE

This chapter shows the science behind the test.



SCIENCE

Pharmaco Sensor

CYP2D6 - cytochrome P450, family 2, subfamily D, polypeptide 6

Cytochrome P450 2D6 (CYP2D6) is an enzyme that is involved in the metabolism of drugs through oxidation or hydrolysis of various substrates. This process is strongly influenced by the genetic variant of the CYP2D6 gene or allele.

RES	Genotype	POP	Possible results
	UM	9%	Drugs metabolized by this enzyme are degraded too quickly Prodrugs metabolized by this enzyme are activated too quickly
X	EM	70%	Drugs are metabolized by this enzyme as normal Prodrugs are activated by this enzyme as normal
	IM	16%	Drugs are metabolized by this enzyme at a slow rate Prodrugs can barely be activated by this enzyme
	PM	5%	Drugs are metabolized by this enzyme at a very slow rate Prodrugs are not activated by this enzyme

References

Zhou SF. et al. Polymorphism of human cytochrome P450 2D6 and its clinical significance: Part I. Clin Pharmacokinet. 2009,48(11):689-723.

Stüven et al. Rapid detection of CYP2D6 null alleles by long distance- and multiplex-polymerase chain reaction. Pharmacogenetics. 1996 Oct.6(5):417-21.

Hicks JK et al. Clinical Pharmacogenetics Implementation Consortium (CPIC) Guideline for CYP2D6 and CYP2C19 Genotypes and Dosing of Selective Serotonin Reuptake Inhibitors. Clin Pharmacol Ther. 2015 Aug, 98(2):127-34.

CYP2B6 - cytochrome P450, family 2, subfamily B, polypeptide 6

CYP2B6 is metabolizing a variety of drugs similar to other Cytochrome P450 enzymes.

RES	Genotype	POP	Possible results
	UM	1%	Drugs metabolized by this enzyme are degraded too quickly Prodrugs metabolized by this enzyme are activated too quickly
	RM	1%	Drugs metabolized by this enzyme are degraded too quickly Prodrugs metabolized by this enzyme are activated too quickly
X	EM	96%	Drugs are metabolized by this enzyme as normal Prodrugs are activated by this enzyme as normal
	IM	1%	Drugs are metabolized by this enzyme at a slow rate Prodrugs can barely be activated by this enzyme
	PM	1%	Drugs are metabolized by this enzyme at a very slow rate Prodrugs are not activated by this enzyme

References

Zanger UM et al. Pharmacogenetics of cytochrome P450 2B6 (CYP2B6): advances on polymorphisms, mechanisms, and clinical relevance. Front Genet. 2013 Mar 5,4:24.

Kharasch ED et al. Methadone Pharmacogenetics: CYP2B6 Polymorphisms Determine Plasma Concentrations, Clearance, and Metabolism. Anesthesiology. 2015 Nov,123(5):1142-53.

https://www.pharmgkb.org/gene/PA123

Gatanaga H et al. Successful efavirenz dose reduction in HIV type 1-infected individuals with cytochrome P450 2B6 *6 and *26. Clin Infect Dis. 2007 Nov 1,45(9):1230-7.

DEMO_DS Page 52 of 64



CYP1A2 - cytochrome P450, family 1, subfamily A, polypeptide 2

CYP1A2 (cytochrome P450 1A2) is a heme protein- enzyme involved in various metabolic processes. It metabolizes various xenobiotics such as caffeine, aflatoxin B1 and medications like paracetamol.

RES	Genotype	POP	Possible results
	UM	14%	Drugs metabolized by this enzyme are degraded too quickly Prodrugs metabolized by this enzyme are activated too quickly
X	EM	53%	Drugs are metabolized by this enzyme as normal Prodrugs are activated by this enzyme as normal
	IM	28%	Drugs are metabolized by this enzyme at a slow rate Prodrugs can barely be activated by this enzyme
	PM	5%	Drugs are metabolized by this enzyme at a very slow rate Prodrugs are not activated by this enzyme

References

Hubacek JA. et al. Drug metabolising enzyme polymorphisms in Middle- and Eastern-European Slavic populations. Drug Metabol Drug Interact. 2014;29(1):29-36.

Kuo HW et al. CYP1A2 genetic polymorphisms are associated with early antidepressant escitalopram metabolism and adverse reactions. Pharmacogenomics. 2013 Jul,14(10):1191-201.

Lin KM et al. CYP1A2 genetic polymorphisms are associated with treatment response to the antidepressant paroxetine. Pharmacogenomics. 2010 Nov,11(11):1535-43.

CYP2C19 - cytochrome P450, family 2, subfamily C, polypeptide 19

The cytochrome P450 2C19 (CYP2C19) enzyme is involved in the oxidative metabolism of various drugs, such as: antidepressants, antipsychotics, tranquilizers and proton pump inhibitors. CYP2C19 provides an alternative metabolic pathway for CPY2D6. Defects in the CYP2C19 gene can increase or decrease the enzymatic activity.

RES	Genotype	POP	Possible results
	UM	5%	Drugs metabolized by this enzyme are degraded too quickly Prodrugs metabolized by this enzyme are activated too quickly
	RM	27%	Drugs metabolized by this enzyme are degraded too quickly Prodrugs metabolized by this enzyme are activated too quickly
X	EM	39%	Drugs are metabolized by this enzyme as normal Prodrugs are activated by this enzyme as normal
	IM	27%	Drugs are metabolized by this enzyme at a slow rate Prodrugs can barely be activated by this enzyme
	PM	2%	Drugs are metabolized by this enzyme at a very slow rate Prodrugs are not activated by this enzyme

References

Sheffield L. J. et al. Clinical use of pharmacogenomic tests in 2009. Clin Biochem Rev. 2009 May, 30(2):55-65.

Hodgson K. et al. Genetic differences in cytochrome P450 enzymes and antidepressant treatment response. J Psychopharmacol. 2014 Feb, 28(2):133-41.

Hicks JK et al. Clinical Pharmacogenetics Implementation Consortium (CPIC) Guideline for CYP2D6 and CYP2C19 Genotypes and Dosing of Selective Serotonin Reuptake Inhibitors. Clin Pharmacol Ther. 2015 Aug, 98(2):127-34.

DEMO_DS Page 53 of 64



CYP2C9 - cytochrome P450, family 2, subfamily C, polypeptide 9

Cytochrome P450 2C9 (CYP2C9) enzyme is expressed mainly in the liver, where it is involved in the oxidation of xenobiotic and endogenous substances. CYP2C9 plays an important role in the metabolism of various drugs. Defects in the CYP2C9 gene are associated with a reduced enzyme activity.

RES	Genotype	POP	Possible results
	EM	60%	Drugs are metabolized by this enzyme as normal Prodrugs are activated by this enzyme as normal
	IM	35%	Drugs are metabolized by this enzyme at a slow rate Prodrugs can barely be activated by this enzyme
X	PM	5%	Drugs are metabolized by this enzyme at a very slow rate Prodrugs are not activated by this enzyme

References

Van Booven D. et al. Cytochrome P450 2C9-CYP2C9 Pharmacogenetics and genomics (2010)

Lindh JD et al. Influence of CYP2C9 genotype on warfarin dose requirements--a systematic review and meta-analysis. Eur J Clin Pharmacol. 2009

Johnson JA et al. Clinical Pharmacogenetics Implementation Consortium Guidelines for CYP2C9 and VKORC1 genotypes and warfarin dosing. Clin Pharmacol Ther. 2011 Oct.90(4):625-9.

CYP3A4 - cytochrome P450, family 3, subfamily A, polypeptide 4

The cytochrome P450 3A4 (CYP3A4) is expressed in the liver, and it is involved in the activation or hydroxylation of various drugs and endogenous substances.

RES	Genotype	POP	Possible results
X	EM	96%	Drugs are metabolized by this enzyme as normal Prodrugs are activated by this enzyme as normal
	IM	3%	Drugs are metabolized by this enzyme at a slow rate Prodrugs can barely be activated by this enzyme
	PM	1%	Drugs are metabolized by this enzyme at a very slow rate Prodrugs are not activated by this enzyme

References

Chiang TS et al. Enhancement of CYP3A4 Activity in Hep G2 Cells by Lentiviral Transfection of Hepatocyte Nuclear Factor-1 Alpha. PLoS One. 2014 Apr 14.9(4):e94885.

Lee JS et al. Screening of Genetic Polymorphisms of CYP3A4 and CYP3A5 Genes. Korean J Physiol Pharmacol. 2013 Dec,17(6):479-84.

Okubo M et al. CYP3A4 intron 6 C>T polymorphism (CYP3A4*22) is associated with reduced CYP3A4 protein level and function in human liver microsomes. J Toxicol Sci. 2013,38(3):349-54.

DEMO_DS Page 54 of 64



CYP3A5 - cytochrome P450, family 3, subfamily A, polypeptide 5

The cytochrome P450 3A5 (CYP3A5) is expressed in the liver, and it is involved in the activation or hydroxylation of various drugs and endogenous substances.

RES	Genotype	POP	Possible results
X	EM	1%	Drugs are metabolized by this enzyme as normal Prodrugs are activated by this enzyme as normal
	IM	30%	Drugs are metabolized by this enzyme at a slow rate Prodrugs can barely be activated by this enzyme
	PM	69%	Drugs are metabolized by this enzyme at a very slow rate Prodrugs are not activated by this enzyme

References

https://www.pharmgkb.org/gene/PA131

Lamba J et al. PharmGKB summary: very important pharmacogene information for CYP3A5. Pharmacogenet Genomics. 2012 Jul, 22(7):555-8.

KA Birdwell et al. Clinical Pharmacogenetics Implementation Consortium (CPIC) Guidelines for CYP3A5 Genotype and Tacrolimus Dosing. Clin Pharmacol Ther. 2015 Jul, 98(1): 19–24.

CYP2E1 - cytochrome P450, family 2, subfamily E, polypeptide 1

The cytochrome P450 2E1 (CYP2E1) is expressed in the liver, and it is involved in the activation or hydroxylation of various drugs and endogenous substances.

RES	Genotype	POP	Possible results
X	EM	98%	Drugs are metabolized by this enzyme as normal Prodrugs are activated by this enzyme as normal
	IM	1%	Drugs are metabolized by this enzyme at a slow rate Prodrugs can barely be activated by this enzyme
	PM	1%	Drugs are metabolized by this enzyme at a very slow rate Prodrugs are not activated by this enzyme

References

Sheng YJ et al. The association between CYP2E1 polymorphisms and hepatotoxicity due to anti-tuberculosis drugs: A meta-analysis. Infect Genet Evol. 2014 Jun, 24:34-40.

De Bock L. et al. Quantification of cytochrome 2E1 in human liver microsomes using a validated indirect ELISA. J Pharm Biomed Anal. 2014 Jan 25,88:536-41.

Wang FJ et al. Update meta-analysis of the CYP2E1 Rsal/Pstl and Dral polymorphisms and risk of antituberculosis drug-induced hepatotoxicity: evidence from 26 studies. J Clin Pharm Ther. 2016 Jun, 41(3):334-40.

DEMO_DS Page 55 of 64

NAT2 - N-acetyltransferase 2 (arylamine N-acetyltransferase)

The arylamine N-acetyltransferase 2 (NAT2) is involved in the detoxification of drugs and endogenous substances through acetylation. Toxic and carcinogenic substances are converted and can be eliminated. The polymorphisms can alter the enzymatic activity of the NAT2 protein.

RES	Genotype	POP	Possible results
	EM	45%	Drugs are metabolized by this enzyme as normal Prodrugs are activated by this enzyme as normal
X	IM	30%	Drugs are metabolized by this enzyme at a slow rate Prodrugs can barely be activated by this enzyme
	PM	25%	Drugs are metabolized by this enzyme at a very slow rate Prodrugs are not activated by this enzyme

References

Daly A. K. et al. Pharmacogenomics of adverse drug reactions. Genome Med. 2013 Jan 29,5(1):5.

Barbieri R. B. et al. Genes of detoxification are important modulators of hereditary medullary thyroid carcinoma risk. Clin Endocrinol (Oxf). 2013 Aug, 79(2):288-93.

Int. braz j urol. vol.30 no.4 Rio de Janeiro Jul., Aug. 2004, Rama D. Mittal, Daya S.L. Srivastava, Anil Mandhani

VKORC - Vitamin K epoxide reductase complex (rs9923231)

The vitamin K epoxide reductase-(VKOR) is a membrane protein in the ER (endoplasmic reticulum), and it is involved in the formation of blood clotting factors. The anticoagulant warfarin inhibits the activity of the VKOR protein. This inhibition can be prevented by defects of the VKORC gene.

RES	Genotype	POP	Possible results
X	C/C	40%	No dose adjustments for various drugs
	C/T	40%	Dose adjustments for various drugs
	T/T	20%	Dose adjustments for various drugs

References

Swen JJ et al. Pharmacogenetics: from bench to byte-an update of guidelines. Clin Pharmacol Ther. 2011 May, 89(5):662-73.

Pop TR et al. An acenocoumarol dose algorithm based on a South-Eastern European population.

Dean L. et al. Warfarin Therapy and the Genotypes CYP2C9 and VKORC1. 2012 Mar 8. Medical Genetics Summaries.

Anderson J. L. et al. Randomized trial of genotype-guided versus standard warfarin dosing in patients initiating oral anticoagulation. Circulation. 2007 Nov 27,116(22):2563-70

Flockhart D. A. et al. Pharmacogenetic testing of CYP2C9 and VKORC1 alleles for warfarin. Genet Med. 2008 Feb,10(2):139-50.

International Warfarin Pharmacogenetics Consortium Estimation of the warfarin dose with clinical and pharmacogenetic data. N Engl J Med. 2009 Feb 19,360(8):753-64.

ProGenom

DEMO_DS Page 56 of 64

DPYD- Dihydropyrimidine dehydrogenase (rs3918290)

The DPYD gene provides instructions for making an enzyme called dihydropyrimidine dehydrogenase, which is involved in the breakdown of uracil and thymine. Genetic variations in this gene result in an error in pyrimidine metabolism and an increased risk of toxicity in patients receiving special chemotherapy.

RES	Genotype	POP	Possible results
	EM	98%	Drugs are metabolized by this enzyme as normal Prodrugs are activated by this enzyme as normal
	IM	1%	Drugs are metabolized by this enzyme at a slow rate Prodrugs can barely be activated by this enzyme
X	PM	1%	Drugs are metabolized by this enzyme at a very slow rate Prodrugs are not activated by this enzyme

References

Amstutz U et al. Clinical Pharmacogenetics Implementation Consortium (CPIC) Guideline for Dihydropyrimidine Dehydrogenase Genotype and Fluoropyrimidine Dosing: 2017 Update. Clin Pharmacol Ther. 2018 Feb103(2):210-216.

Swen JJ et al. Pharmacogenetics: from bench to byte-an update of guidelines. Clin Pharmacol Ther. 2011 May,89(5):662-73.

Caudle KE et al. Clinical Pharmacogenetics Implementation Consortium guidelines for dihydropyrimidine dehydrogenase genotype and fluoropyrimidine dosing. Clin Pharmacol Ther. 2013 Dec,94(6):640-5.

Mattison LK et al. Implications of dihydropyrimidine dehydrogenase on 5-fluorouracil pharmacogenetics and pharmacogenomics. Pharmacogenomics. 2002 Jul, 3(4):485-92.

NOS1AP - Nitric oxide synthase 1 (neuronal) adaptor protein (rs10494366)

The nitric oxide synthase 1 adaptor protein (NOS1AP) is an adapter protein which binds the signal molecule nNOS (neuronal nitric oxide synthase) with other molecules, facilitating their interaction. This NOS1AP polymorphism decreases the glucose-reducing effect of different drugs and is associated with an increased mortality rate.

RES	Genotype	POP	Possible results
X	Т/Т	30%	The drug Glibenclamide is effective The drug Tolbutamide is less effective/mortality rate is increased when using this drug The drug Glimepiride less effective/mortality rate is increased when using this drug
	G/T	44%	The drug Glibenclamide is less effective/mortality rate is increased when using this drug The drug Tolbutamide is effective The drug Glimepiride is effective
	G/G	26%	The drug Glibenclamide is less effective/mortality rate is increased when using this drug The drug Tolbutamide is effective The drug Glimepiride is effective

References

Tomás M et al. Polymorphisms in the NOS1AP gene modulate QT interval duration and risk of arrhythmias in the long QT syndrome. JACC. 2010 Jun 15,55(24):2745-52.

Treuer AV et al. NOS1AP modulates intracellular Ca(2+) in cardiac myocytes and is up-regulated in dystrophic cardiomyopathy. Int J Physiol Pathophysiol Pharmacol. 2014 Mar 13,6(1):37-46. eCollection 2014.

Becker et al. Common variation in the NOS1AP gene is associated with reduced glucose-lowering effect and with increased mortality in users of sulfonylurea. Pharmacogenet Genomics. 2008 Jul,18(7):591-7.

DEMO_DS Page 57 of 64



SLCO1B1 - Solute carrier organic anion transporter family member 1B1 (rs4149056)

The SLCO1B1 gene provides instructions for making a protein called organic anion transporting polypeptide 1B1, or OATP1B1. OATP1B1 is found in the liver and involved in the removal of drug compounds such as statins.

RES	Genotype	POP	Possible results			
	EM	84%	Drugs are metabolized by this enzyme as normal Prodrugs are activated by this enzyme as normal			
X	IM	15%	Drugs are metabolized by this enzyme at a slow rate Prodrugs can barely be activated by this enzyme			
PM Drugs are metabolized by this enzyme at a very slow ra Prodrugs are not activated by this enzyme		1%	Drugs are metabolized by this enzyme at a very slow rate Prodrugs are not activated by this enzyme			

References

Wilke RA et al. The clinical pharmacogenomics implementation consortium: CPIC guideline for SLCO1B1 and simvastatin-induced myopathy. Clin Pharmacol Ther. 2012 Jul, 92(1):112-7.

SEARCH Collaborative Group et al. SLCO1B1 variants and statin-induced myopathy--a genomewide study. N Engl J Med. 2008 Aug 21,359(8):789-99.

Ramsey LB et al. The clinical pharmacogenetics implementation consortium guideline for SLCO1B1 and simvastatin-induced myopathy: 2014 update. Clin Pharmacol Ther. 2014 Oct,96(4):423-8.

UGT1A1 - UDP glucuronosyltransferase family 1 member A1 (rs3064744)

UDP-Glucuronosyltransferase is an enzyme that takes part in bilirubin glucuronidation and metabolism, and degrading a variety of drugs.

RES	Genotype	POP	Possible results
	EM	91%	Drugs are metabolized by this enzyme as normal Prodrugs are activated by this enzyme as normal
	IM	5%	Drugs are metabolized by this enzyme at a slow rate Prodrugs can barely be activated by this enzyme
X	PM	4%	Drugs are metabolized by this enzyme at a very slow rate Prodrugs are not activated by this enzyme

References

Vardhanabhuti S et al. Screening for UGT1A1 Genotype in Study A5257 Would Have Markedly Reduced Premature Discontinuation of Atazanavir for Hyperbilirubinemia. Open Forum Infect Dis. 2015 Jul 1,2(3):ofv085.

Barbarino JM et al. PharmGKB summary: very important pharmacogene information for UGT1A1. Pharmacogenet Genomics. 2014 Mar, 24(3):177-83.

Gammal RS et al. Clinical Pharmacogenetics Implementation Consortium (CPIC) Guideline for UGT1A1 and Atazanavir Prescribing. Clin Pharmacol Ther. 2016 Apr,99(4):363-9.

Swen JJ et al. Pharmacogenetics: from bench to byte--an update of guidelines. Clin Pharmacol Ther. 2011 May,89(5):662-73.

ProGenom

DEMO_DS Page 58 of 64

TPMT - Thiopurine S-methyltransferase

Thiopurine-methyltransferase is an enzyme that catalyzes the transformation of thiopurine. Genetical variations can alter the activity or the breakdown of certain immunosuppressive and chemotherapeutic drugs.

RES	Genotype	POP	Possible results			
X	EM	86%	Drugs are metabolized by this enzyme as normal Prodrugs are activated by this enzyme as normal			
	IM Drugs are metabolized by this enzyme at a slow rate Prodrugs can barely be activated by this enzyme					
PM 1% Drugs are metabolized by this enzyme at a very slo Prodrugs are not activated by this enzyme		1%	Drugs are metabolized by this enzyme at a very slow rate Prodrugs are not activated by this enzyme			

References

Swen JJ et al. Pharmacogenetics: from bench to byte-an update of guidelines. Clin Pharmacol Ther. 2011 May,89(5):662-73.

Relling MV et al. Clinical pharmacogenetics implementation consortium guidelines for thiopurine methyltransferase genotype and thiopurine dosing: 2013 update. Clin Pharmacol Ther. 2013 Apr,93(4):324-5.

Relling MV et al. Clinical Pharmacogenetics Implementation Consortium guidelines for thiopurine methyltransferase genotype and thiopurine dosing. Clin Pharmacol Ther. 2011 Mar,89(3):387-91.

LEGEND: RES = your personal analysis result (marked with an X), GENOTYPE = different variations of the gene (called alleles),

POP = percent of the general population that have this genetic result, POSSIBLE RESULTS = influence of the genetic variation.



DEMO_DS Page 59 of 64



PHARMACO GENETICS

ONCOLOGY

Not ordered

CARDIOVASCULAR SYSTEM

Not ordered

NEUROLOGY

Not ordered

METABOLISM

Not ordered

MOVEMENT

Not ordered

DIGESTION

Not ordered

OPHTHALMOLOGY

Not ordered

ODONTOLOGY

Not ordered

OTHERS

Not ordered

SCIENCE

ADDITIONAL INFORMATION



ADDITIONAL INFORMATION

In this chapter you will receive useful information



CERTIFICATIONS

Certifications

Our laboratory is one of the most modern and automated laboratories in Europe and has numerous certifications and quality assurance systems that meet, and even exceed, international standards. The various areas of business are certified separately to the highest standards.

Laboratory diagnostics, manufacturing &

Quality management system in accordance with ISO 9001:2015

qualityaustria SYSTEM CERTIFIED ISO 9001:2015 No.14365/0

Licensed for medical genetics

Approved by the Federal Ministry of Health, Austria



Cosmetic/genetic diagnostics and cosmetics manufacturing

Good manufacturing practice (GMP) in accordance with ISO 22716:2007



Food supplement manufacturing

Management system for food safety in accordance with ISO 22000:2018







CUSTOMER SERVICE

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Questions or comments about our service?

Our customer service team is happy to help with any enquiries or problems. You can contact us in the following ways:

- ➤ Phone +41 (0) 41 525 100.1
- ➤ office.ch@progenom.com

Our team is looking forward to your call. Customer satisfaction is our first priority. If you are not fully satisfied with our service, please let us know. We will do our best to help find a satisfactory solution to your problem.

Contact | Impressum ProGenom GmbH Riedstrasse 1 6343 Rotkreuz SWITZERLAND



DEMO_DS Page 63 of 64



TECHNICAL DETAILS

Technical details

Order number DEMO_DS

Established analysis methods qRT-PCR, DNA sequencing, fragment length analysis, CNV assay, GC-MS, Immunocap ISAC, Cytolisa

Product codes MOPHA

Ordering company ProGenom GmbH Riedstrasse 1 6343 Rotkreuz SWITZERLAND

Laboratory Director

Dr. Daniel Wallerstorfer Bsc.

Date of birth 01/01/1990

Report generated 19/03/2021 17:47:13

Current version V538

Analyzing company
DNA Plus - Zentrum für Humangenetik
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Laboratory Manager

Florian Schneebauer, MSc.



DEMO_DS Page 64 of 64

NOTES:











Pharmaco Sensor
Jane Doe
DEMO_DS