

CYP2D6 and Medications

Does it matter for me?

The *CYP2D6* gene influences how quickly the body processes certain medications.

Based on your *CYP2D6* result below, if you are taking any of the associated medications and if you feel like the medication is not working well for you, please discuss this result with your prescribing healthcare provider. You can print out your test result and this guide to bring to your appointment.

Healthcare providers consider many factors when prescribing a medication including health history, other medications you are taking, lifestyle factors, and genetics. **Do not change your medication habits without talking to your prescribing healthcare provider.**

Genetic Result	Which medications can be impacted?
Ultrarapid metabolizer	Digestive medications: Ondansteron (Zofran, Zuplenz), Tropisteron (Abatoarin, Hensetron, Navoban, Setrovel) Enzyme replacement therapy: Eliglustat (Cerdelga) Mental health, brain, and nerve medications: Amitriptyline (Elavil, Vanatrip)*, Nortriptyline (Aventyl, Pamelor), Paroxetine (Paxil, Pexeva) Pain and muscle medications: Codeine (BroveX CB/CBX, EndaCof-AC, Nalex AC), Tramadol (Conzip, Ultram/Ultram ER)
Normal metabolizer	Enzyme replacement therapy: Eliglustat (Cerdelga)
Intermediate metabolizer	Cancer treatment: Tamoxifen (Soltamox) Mental health, brain, and nerve medications: Amitriptyline (Elavil, Vanatrip)*, Nortriptyline (Aventyl, Pamelor), Paroxetine (Paxil, Pexeva) Enzyme replacement therapy: Eliglustat (Cerdelga)
Poor metabolizer	Cancer treatment: Tamoxifen (Soltamox) Enzyme replacement therapy: Eliglustat (Cerdelga) Mental health, brain, and nerve medications: Amitriptyline (Elavil, Vanatrip)*, Atomoxetine (Strattera), Nortriptyline (Aventyl, Pamelor), Paroxetine (Paxil Pexeva), Pimozide (Orap), Tetrabenazine (Xenazine) Pain and muscle medications: Codeine (BroveX CB/CBX, EndaCof-AC, Nalex AC), Tramadol (Conzip, Ultram/Ultram ER)

*Medication management is also impacted by results in the *CYP2C19* gene

This guide is an informational resource. Medications listed here could be impacted by specific genetic results, according to FDA drug labels, or the Clinical Pharmacogenetics Implementation Consortium (CPIC)

- www.fda.gov/medical-devices/precision-medicine/table-pharmacogenetic-associations
- cpicpgx.org/guidelines