

NAT2: Intermediate metabolizer/Rapid acetylator

What is NAT2?

NAT2 is a gene that provides the instructions to make the NAT2 enzyme, which is involved in the breakdown (metabolism) of medications within the body via acetylation.

NAT2 metabolizer status:

Intermediate metabolizer/Rapid acetylator

What it means

These pharmacogenetic results predicted that the NAT2 enzyme has **increased activity**. Medication **may be broken down quickly**.

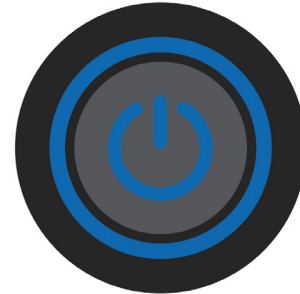
Why it matters

Medication may leave the body before it can work properly, requiring dose adjustments.

What happens next

The health-care team may recommend **starting or maintaining a standard dose** to ensure the medication works safely and effectively.

NAT2 gene acetylator status



**Rapid
acetylator**



**Slow
acetylator**

This status is not an indicator of health. The health-care team will still consider medical history and other factors to ensure the best treatment.

Example medications affected by NAT2

- **Oral hydralazine**, a medication that relaxes the blood vessels (vasodilator) and treats high blood pressure
 - IV hydralazine products removed from guideline as only oral hydralazine is broken down by the NAT2 enzyme

The medications listed above are referred to by their generic names. You may hear the medication called by a different brand name.