



UNDERSTAND YOUR RISK. PROTECT YOUR FUTURE.

Medication Response, Genetic Report

A one-time DNA analysis of how your body handles 100+ common medicines, which will work, which need a different dose, and which could harm you. Read once, valid for life. A full drug-by-drug report is also available.

NAME	AGE / SEX	REPORT ID
Ramesh Iyer (SAMPLE)	63 years · Male	MERX-PGX-2026-004871
SAMPLE	COLLECTED → REPORTED	PANEL
Whole blood (home)	18 Jun 2026 → 02 Jul 2026	101 drugs · 21 genes

1 What this tells you that a normal blood test can't

In plain words: A blood test reacts *after* a medicine is already in you. This tells your doctor *in advance* which medicines suit you and which to avoid.

A blood test **cannot tell you whether a medicine will help you, do nothing, or harm you**, until after you have already swallowed it and waited. This test reads the genes that decide how your body breaks down 100+ drugs, so your doctor can pick the **right medicine at the right dose the first time**, and steer clear of the ones that could hurt you, **before the first pill**.

A blood test alone

- Only reacts **after** a drug is already in your body
- Cannot predict a **dangerous reaction** before the first dose
- Says nothing about **which of two drugs** will work for you
- Means weeks of **try this, see how you feel**
- Has to be **repeated** again and again

Your Meridian DNA medication report

- Warns you **before** a drug is prescribed, not after harm
- Flags **high-risk medicines to avoid** up front
- Shows the **right drug and dose the first time**
- Ends the **trial-and-error** guessing
- Read **once**, valid for every future prescription for life

The sale in one line: a blood test shows how you are *right now*, this shows how your body will treat *every medicine you may ever be given*.

2 Your action summary

21

genes analysed

101

drugs / classes

5

avoid / high-risk

25

need a change

Most important flags for Ramesh Iyer:

- **Clopidogrel** (blood thinner), likely ineffective, ask about prasugrel or ticagrelor.
- **Codeine and Tramadol** (pain), risk of opioid toxicity, avoid.
- **Allopurinol** (gout), high risk of a severe skin reaction, avoid.
- **Simvastatin** (cholesterol), raised muscle-damage risk, prefer an alternative.
- **Warfarin** (blood thinner), needs a notably lower, genotype-guided dose.

3 Sample of your drug-by-drug results

MEDICINE	GENE	STATUS	WHAT IT MEANS
Clopidogrel	CYP2C19	Avoid / high risk	Not activated properly, reduced clot protection, prefer an alternative.
Codeine / Tramadol	CYP2D6	Avoid / high risk	Activates too fast, risk of dangerous opioid toxicity, avoid.
Simvastatin	SLCO1B1	Avoid / high risk	High muscle-damage risk at higher doses, prefer another statin.
Warfarin	CYP2C9 + VKORC1	Adjust dose	Needs a markedly lower, genotype-guided starting dose.
Escitalopram	CYP2C19	Adjust dose	Higher levels, a lower dose reduces side effects.
Omeprazole (PPI)	CYP2C19	Standard use	Strong acid suppression, standard use, a lower dose may be enough.

The full report details 101 drugs across 10 therapeutic areas, gene by gene, with a printable summary for the doctor.

4 Why this matters for your parents

The people who benefit most from knowing early are often our parents, and usually it is their children who arrange the test.

Polypharmacy is the norm

Adults over 60 commonly take 5+ regular medicines. This is one reference every one of their doctors can check against.

Reactions hit older bodies harder

Ageing slows drug clearance, and a poor-metaboliser gene makes it worse. This flags the danger before harm.

One test, every future prescription

Done once, it protects them for medicines they have not even been prescribed yet.

Peace of mind for the family

Hand the summary to any new specialist and know prescriptions are checked against their DNA.

How to use it: Print the action summary and take it to your parents' next appointment or medicine review. Every Meridian test includes a **free genetic-counselling call** that walks your parents through the result and what to share with their doctor. Never change any medication or treatment on the basis of this report alone.



Meridian · Understand your risk. Protect your future. · Lab reporting and validation by Genessense / MedGenome (CAP-accredited) · South Asian validated · Free genetic counselling with every test.

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