



# Genova DETOXIGENOMIC PROFILE

*The DetoxiGenomic profile identifies genomic risk for chemical sensitivities, oxidative stress, and ability to handle various medications.*

*By evaluating a carefully selected group of genetic variants, such as the DetoxiGenomic profile which provides a glimpse into your potential health future. The advantage: you will be empowered to modify the expression of disease years before a condition might otherwise develop.*

## **Genetic testing enables you to minimise risk by:**

- Identifying 'hidden' gene mutations that may promote chronic disease
- Preventing disease through early intervention
- Modifying gene expression through more precise, targeted, individualized interventions
- Identifying key areas for follow-up
- Monitoring therapeutic effectiveness of intervention strategies with laboratory testing

## **DetoxiGenomic areas of risk**

Phase 1 Cytochrome p450 - Phase I detoxification enzymes provide hydroxyl groups (-OH) to make molecules more soluble.

Phase 2 pathways - Phase 2 detoxification pathways offer an array of parallel processes that add small molecules onto larger molecules to make them more soluble.

Oxidative Stress - Toxic intermediate metabolites of Phase 1 detoxification can cause free radical formation and increased oxidative stress.

Whether or not you choose to see genes, they are always there and will continue to play an important role in one's health. With genomic testing, by choosing to look at them, you have the opportunity to influence the ultimate outcome and more actively promote a healthy life.

## The DetoxiGenomic Profile evaluations include:

COMT V158M	CYP1B1 N453S	CYP1A1*2A	CYP1A1*2C
CYP1B1 L432V	CYP2A6*2	CYP2C19*2	CYP2C19*3
CYP2C9*2	CYP2C9*3	CYP2D6*3	CYP3A4*17
CYP3A4*1B	CYP3A4*3	GSTM1	GSTP1
NAT1 R187Q	NAT1 R64W	NAT2 G286E	NAT2 I114T
NAT2 K268R	NAT2 R1971	NAT2 R64Q	SOD1 A4V
SOD1 G93A	SOD2		

### GENOVA DETOXIGENOMIC (buccal swab) [Test code: 8003]

- ❖ CYP1A1, CYP1B1, CYP2A6, CYP2D6, CYP2E1, CYP2C9, CYP1C19, CYP3A4, COMT, NAT1, NAT2, GSTM1, GSTP1, SOD1, SOD2

### Other genomic tests available

- **Genova CardioGenomic Plus Profile:** APOE, CETP, SELE, MTHFR, GNB3, AGTR1, Factor 2, Factor 5, PAI-1, GP3A.
- **Genova EstroGenomic Profile:** CYP1A1, CYP1B1, COMT, GSTM1, GSTP1, GP3A, PAI-1, Factor 2, Factor 5, APO-E, MTHFR, TNF $\alpha$ , IL-6, VDR, TNF $\alpha$ , IL-6.
- **Genova ImmunoGenomic Profile:** IL-1 $\beta$ , TNF $\alpha$ , IL-4, IL-6, IL-10, IL-13.
- **Genova NeuroGenomic Profile:** COMT, MTHFR, GSTM1, GSTP1, SOD2.

### How to order a test kit:

To order a test kit simply request the test name or test code on a NutriPATH request form and have the patient phone NutriPATH Customer Service on **1300 688 522**.

