

## SNPs

SNP ID	Gene
rs2796498	PRKAA2
rs10789038	PRKAA2
rs1001179	CAT
rs7943316	CAT
rs4756146	CAT
rs20417	COX-2
rs916321	CYB5R3
rs1048943	CYP1A1
rs10911021	GLUL
rs1050450	GPX1
rs1987628	GPX1
rs4902346	GPX2
rs2071566	GPX2
rs713041	GPX4
rs366631	GSTM1
rs3754446	GSTM5
rs1695	GSTP1
rs121909307	GSS
rs8190955	GSR
rs2071746	HMOX1
rs4673	CYBA
rs9932581	CYBA
rs3877899	SELENOP
rs2234694	SOD1
rs4880	SOD2
rs1799895	SOD3
rs8192287	SOD3
rs7310505	TXNRD1
rs1548357	TXNRD2
rs4485648	TRXR2
rs206812	XDH
rs2073316	XDH

## The gold standard of accuracy in the lab industry

The Oxidative Stress Profile assesses whether the body is in a state of stress or inflammation due to reactive oxygen species outnumbering antioxidants.

It uses Real Time-PCR (RT-PCR) technology to test for genetic predisposition towards managing oxidative stress, and chromatography (LC-MS/MS) to detect real-time markers of oxidative damage.

## Oxidative Stress Markers

Lipid Peroxidation		
Malondialdehyde	Glutathione 4-hydroxynonenal (GS-HNE)	8-iso-prostaglandin F2α (8-iso-PGF2α)
11-β-Prostaglandin F2α	15(R)-Prostaglandin F2α	
DNA Damage		
8-Hydroxy-2-deoxyguanosine (8-OHdG)	8-Hydroxyguanine	8-Hydroxyguanosine
Protein Oxidation		
Dityrosine	3-Bromotyrosine	3-Chlorotyrosine
Nitrate Stress Biomarkers		
8-Nitroguanosine	8-Nitroguanine	Nitrotyrosine
Advanced Glycation Products		
Nε-(carboxymethyl) lysine (CML)	Nε-carboxyethyllysine (CEL)	

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