

# GenomicInsight

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## Experience the Difference of AI-Powered DNA Testing with GenomicInsight

Diagnostic Solutions is pleased to offer clinicians the Genomic *Insight*<sup>™</sup> Genomic Health Profile powered by *Opus23 Explorer*<sup>™</sup>. Unlike any other DNA test on the market, Genomic *Insight*<sup>™</sup> uses the most advanced artificial intelligence to allow clinicians unique insight into patient genomics. Using the *Opus23*<sup>®</sup> informatics platform, clinicians can now customize reports using an interactive dashboard that curates a patient's genomic data in "real-time" by using the latest medical-literature databases and meta-data sets. **Opus23 Explorer can only supply correlations and relationships**

**NOTE:** Opus23 Explorer can only compare your genetic data with published data linking your results to the outcomes in the research. It can't diagnose disease. Nor should it. However, it can point the way to areas of possible further clinical interest, and perhaps guide both you and your health care professional in the process of developing a more evidence-based approach to prevention. The etiology (cause) of many diseases is multifactorial; that is, disease can occur as a result of various factors, including both inherited and acquired genetic variants, diet, lifestyle choices and age.



Genomic*Insight*<sup>™</sup> reports on over 5,000 single nucleotide polymorphisms (SNPs) in one comprehensive functional DNA test. Online results include therapeutic recommendations backed by the latest medical literature from PubMed, GWAS (genome wide association study), dbSNP, HapMap (haplotype map) and several others.

Data gleaned from Genomic *Insight*<sup>™</sup> informatics uses the latest medical literature to provide relevant information on nutraceuticals, nutritional supplements, diet, and lifestyle interventions that can proactively influence a patient's SNPs to reduce or prevent disease risk. Furthermore, pharmacogenomic results included in the profile allow practitioners to predict the efficacy of select pharmaceuticals tailored the individual's genetic make-up.

## Advancing Personalized Medicine Through Empowered DNA Testing

GenomicInsight™ provides a global view of the interconnectedness of SNPs and offers access to informatics that reveal lifestyle and therapeutic recommendations that may influence a gene's expression and function.

The role of genomics and epigenetics is recognized as an important tool in monitoring, preventing, and treating dysfunction. Furthermore, medical literature supports that epigenetics (*the impact of the environment on gene expression*) plays a critical role in human health.<sup>1</sup>

GenomicInsight™ with Opus23 Explorer™ identifies how the function or dysfunction of one gene impacts the expression and function of a separately-related gene or SNP.

### GenomicInsight™ Evaluates Over 12 Key Areas of Health



*Including but not limited to:*

- Detoxification
  - Cardiovascular Health
  - Methylation
  - HPA-Axis
  - Metabolic Syndrome
  - Mitochondrial Health
  - Pharmacogenomics
  - Nutrigenomics
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- Estrogen Metabolism
  - Sex Hormones
  - Aging
  - Autoimmunity

### The GenomicInsight™ DNA Testing Advantage

GenomicInsight™ provides patients with next-level precision medicine. Results allow for:

- Customizable, real-time informatics that can evaluate one area of health or many in one test
- Universal SNP analysis, using a simple buccal collection, without costly “add-on” panels
- Data-driven insights into how a patient may respond to therapeutic or lifestyle changes
- Constantly updating researched-based data powered by our Opus23 Explorer™ software

## DNA Testing for Health Optimization

Research has shown that while some SNP's may be beneficial to patient health, others carry significant health risks. Genomic*Insight*<sup>™</sup> equips you and your patients with the data analysis and knowledge needed to optimize health on an individual level. By taking into account each patient's unique genomics, practitioners can be proactive in preventing illness before it begins, and even influence some diseases already in progress.

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## The Science of Precision Medicine

*BECAUSE YOUR HEALTH IS UNIQUE*

Combining today's most advanced DNA testing with the powerful *Opus23 Explorer*<sup>™</sup> interface, Genomic*Insight*<sup>™</sup> provides access to the perfect combination of high-complexity DNA testing, science, and current research. Data curated from the customizable online report opens the door for clinicians to form powerful clinician/patient bonds that benefit from forward-thinking precision medicine.