variantyx

Variantyx Unity™ Test

Combining all genomic diagnostic tests into one

Ending the diagnostic odyssey

The diagnostic odyssey for unexplained genetic disorders is a frustrating and costly process for patients and their families. Unnecessary delays in identifying the molecular cause of the symptoms result in potentially missed opportunities for changes in treatment for the patient as well as missed screening opportunities for family members.

Variantyx Unity™ test provides fast, accurate diagnosis at a lower overall cost than traditional tests, bringing an end to the diagnostic odyssey.

Why Variantyx Unity™ Test?

Because the result of whole genome sequencing (WGS) combined with our proprietary Genomic Intelligence® technology provides

High diagnostic yield

Because the entire genome is sequenced without relying on PCR amplification, WGS provides better coverage of exonic mutations plus the ability to detect additional types of variants not covered by traditional targeted panel or exome tests.

Fast turnaround time

Results for regular singleton and trio analyses are available within 6 to 8 weeks. Expedited results are available within 4 weeks.

Lower overall cost

Unlike other NGS testing methods, WGS provides complete, genome-wide coverage. All relevant genomic analyses are performed on a single DNA sample, eliminating the need to order a series of separate tests which can add up to a significant cost.

All together, variants relevant to your patient's symptoms are more likely to be found.

Like an exome test, but better

Variantyx Unity™ test uses whole genome sequencing to identify

Small sequence changes	Structural variants	Short tandem repeats	Mitochondrial variants
Complete coverage of small indels and SNVs within coding and non-coding regions	Identification and annotation of large structural variants, including CNVs	Detection of short tandem repeats in known disease-causing genes	Detection of mitochondrial variants, including mitochondrial heteroplasmy down to 2%

When to order Variantyx Unity™ test

Consider this test for patients with a suspected genetic etiology when

- The patient exhibits a phenotype with significant genetic heterogeneity, or that is suggestive of multiple conditions
- No or multiple targeted testing options are available for the suspected disease, or there are a large number of candidate genes to evaluate
- The patient exhibits symptoms with an unclear or atypical phenotype
- Targeted testing has failed to identify a diagnosis

How to order Variantyx Unity™ test

It's as easy as 1-2-3

1. Mail patient sample and completed TRF
2. Review results with our medical geneticists
3. Receive final report in 6 to 8 weeks

High diagnostic yield

Fast turnaround time

Lower overall cost

Variantyx Unity™ test is now reimbursable as an in-silico exome analysis by many major insurance providers

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