

Get answers.

Reflex testing options are designed to broaden your patient's genetic analysis to exome sequencing when primary testing is non-diagnostic. Primary testing comprises a preset or custom panel selected by you for your patient. If genetic variants are identified that are sufficient to make a molecular diagnosis, the panel results will be reported, typically within three to four weeks.

If our curation scientists and lab directors find that no diagnosis can be made based on primary testing, then the selected reflex testing is initiated. Our client services representatives or genetic counselors may contact you at this time to obtain additional clinical information and family history. This is because both of our exome sequencing reflex options are patient-centric, phenotype-driven analyses. The reflex options examine coding regions and splice junctions for thousands of genes, and reports include only the variants that are of plausible clinical relevance for your patient.

These reflex options provide more assurance that a relevant molecular diagnosis can be made for your patient, at more efficient turnaround times and pricing than sequential orders. This flexibility eliminates the need for separate office visits, blood draws, and requisitions, and allows the diagnostic search to continue unimpeded.

Fulgent offers two time-saving, customizable, and comprehensive reflex testing options:

All-In-One Reflex

This reflex option is based on Fulgent's Clinical Exome Sequencing (CES), which targets over 4,500 genes enriched for clinical significance.

This test uses our custom-designed capture set, which is continuously improved and re-validated to cover the most clinically relevant genes and mutations.

This approach is best suited for individuals with multiple clinical features who do not fit a specific clinical diagnosis, but fall within the spectrum of well-established Mendelian conditions. Compared to the Whole-In-One reflex, this option offers a lower cost with similar yield for these patients.

Whole-In-One Reflex

This reflex option is based on Fulgent's Whole Exome Sequencing (WES), which targets over 20,000 genes.

This approach is best suited for individuals with very rare clinical presentations, either because of a single atypical finding or an unfamiliar combination of phenotypes.

Compared to the All-In-One reflex, this option is more comprehensive, enabling diagnosis of very rare and/or newly described conditions.



Deletion/duplication analysis, with sensitivity down to two exons, is available for all panels and reflex options.



You may elect to opt out of the return of uncertain results (VUS).



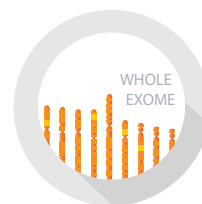
Results in 5-7 weeks when reflex is activated.



Patients may elect to receive or not receive medically actionable secondary/incidental findings (following ACMG guidelines).



STAT testing is available. Please contact the lab if you have a medical need for rush testing.



Reflex from Clinical Exome to Whole Exome is also available.