$1,000 Sample-To-Report Clinical Whole Genome Service from Broad Clinical Labs

Broad Clinical Labs' (BCL) Clinical Human Whole Genome Sequencing service provides validated, high-quality sequencing data generated through the same laboratory processes that have produced ≥610,000 research genomes to date. For this clinical offering, interpretation and reporting utilizes Fabric Genomics' Enterprise platform, a suite of sophisticated AI algorithms that turn data into expert clinical insights in a matter of minutes versus days. This service offering from trusted partners in sequencing and interpretation offers incredible value and is ideal for translational or clinical researchers who require a partner who can operate at scale.

How It Works

Sequencing & Variant Calling

Clinical WGS at Broad Clinical Labs

Interpretation

Merged VCF sent to Fabric Clinical Services via API

Interpretation performed on Fabric GEM/ACE

Fabric Clinical Review

Fabric curator reviews variant classification and writes report

BCL Clinical Review

Additional review by expert review team at Broad Clinical Labs

BCL Report Sign Out

Case is reviewed and signed out by a qualified medical director at Broad Clinical Labs

Clinical Use Cases

Population Screening

Actionable Genetic Screening Panel (ACMG Secondary Findings Gene List v3.1)

Indication-based WGS

Variant detection of suspected Rare and inherited genetic disease: Proband or family with a diagnosed disease, phenotype, or syndrome (with HPO terms)

Learn more about the $1,000 Clinical WGS Service:
fabricgenomics.com/wgstest

 436 14th Street Suite 1300, Oakland, CA 94612 | info@fabricgenomics.com

Unlock clinical insights from WGS data

Following VCF generation at BCL, Fabric Enterprise software is used to swiftly interpret and generate clinical reports, transforming data into expert insights to empower your programs. Clinical reports are promptly sent for additional review and sign-out at BCL.

Annotation

Annotation of all types of variants

Indels | SNVs | CNVs | mtDNA*

*in development

Variant Prioritization

Fabric GEM

AI-driven tool speeds up interpretation by reducing gene review to an average of **2 genes per case**

Variant Classification

Fabric ACE

Automatic variant classification following ACMG guidelines

Hereditary panels including virtual panels from WES/WGS

Report Generation

White-labeled reporting and customizable lab workflows

Detailed clinical curation

Options for automated delivery

Accelerate your research and advance the standard of care

WGS is the most comprehensive genetic assay with the potential to provide greater clinical and research insights due to the breadth of information and potential for reanalysis. However, in clinical applications, it is often last in testing protocols due to cost. Similarly in research, WGS is often passed in favor of lower cost or higher scale assays like panels and exomes.

This offering credibly makes frontline WGS a reality by decreasing costs and increasing scale to match simpler tests. Combined with quality associated with Broad Clinical labs and Fabric Genomics, this presents an unparalleled solution and value for clinicians and researcher alike.

$1000 Whole Genome Sequence

VS.

Micro-array → **NGS Panels** → **Whole Exome**

Comprehensive content, variant detection, clinical insights	Separate assay required for detection of different variant types
WGS enables improved future discovery vs simpler assays	Aggregate test costs far exceed WGS cost
Efficient and affordable as front-line assay	Tests used in series have longer time to results

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