Genomics & Analytical Services

Clinical Services

Azenta Life Sciences is committed to providing reliable and scalable solutions across our clinical portfolio that produce the high-quality results required to support clinical studies. Our clinical lab is CLIA certified by The Centers for Medicare & Medicaid Services (CMS) and accredited by the College of American Pathologists (CAP) for clinical NGS and Sanger sequencing, and we are routinely inspected by CAP for accreditation renewal. Whether you're a top top-tier pharmaceutical company or biotechnology start start-up, our clinical services offer the flexibility to accommodate virtually any size project with the security of your data top of mind. When working with Azenta, all your information, study study-related data, and intellectual property are treated with the utmost care and security so you can be sure your data is safe.

CLIA Capabilities

The following clinical laboratory assays are performed by CAP/CLIA-trained scientists on CAP/CLIA-qualified equipment, for research use only (RUO). For additional or customized CLIA capabilities, please contact us at clia@azenta.com.

Sanger-Based Sequencing	Short-Read Next Generation Sequencing (NGS)	
Standalone Sanger sequencing	RNA-Seq	Targeted panels
PCR + Sanger sequencing	Whole genome sequencing (WGS)	Amplicon sequencing
	Low-pass WGS	Metagenomics
qPCR	Whole exome sequencing (WES)	Bulk immuno-profiling

CLIA Validations

For diagnostic or other clinical applications, we offer fit-for-purpose validations and test registration based on your study requirements. Below is a sample workflow of our validation process:

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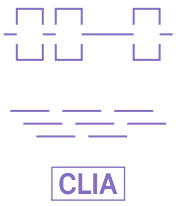
CLIA Registered Tests

Azenta Life Sciences has the following CAP/CLIA-validated tests available for commercial use; both assays are registered with CMS and the New Jersey Department of Health. Starting sample materials for these tests include genomic DNA, whole blood, and cell pellets (WES). Additional starting materials would necessitate a fit-for-purpose validation.

Whole Genome



Whole Exome

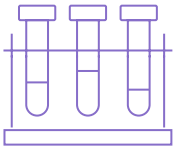
Features & Benefits

- State-of-the-art CAP/CLIA laboratory with quality assurance oversight.
- Complete solution pipeline from nucleic acid extraction and sequencing to data analysis and sample storage.
- Dedicated Study Manager for proactive, transparent communication throughout the entire project.
- Superior data quality exceeding manufacturer benchmarks.
- Assay development expertise excelling in assay optimization and handling difficult templates.
- Industry-leading turnaround times with options for expedited assay development and sequencing.

Applications

Clinical Trials

Clinical Research Studies



In Vitro Diagnostic Confirmation

Diagnostic Assay Development

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