

Next Generation Sequencing



NGS Solutions to Advance Your Research

Amplicon Sequencing

- Amplicon-EZ
- Short-read amplicons for >100bp
- Long-read amplicons for >500bp

RNA Sequencing (RNA-Seq)

- Standard and strand-specific for mRNA and total RNA
- Small RNA
- Ultra-low input
- Iso-Seq
- High-throughput gene expression screening
- Single-cell

Whole Genome Sequencing (WGS)

- Short- and long-read
- Low-pass

Targeted Sequencing

- Whole exome
- Cancer and custom gene panels
- CRISPR validation assay

Clinical Sequencing

- CLIA whole genome and exome
- RUO assays in CLIA environment

Viral Genome Sequencing

- AAV, lentivirus, and more
- RNA and DNA viruses

Immunogenomics

- Bulk and single-cell immune repertoire profiling
- Precision Antibody Discovery

Epigenomics

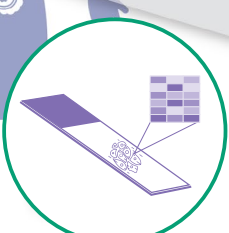
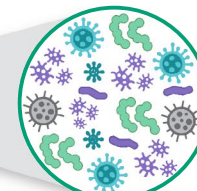
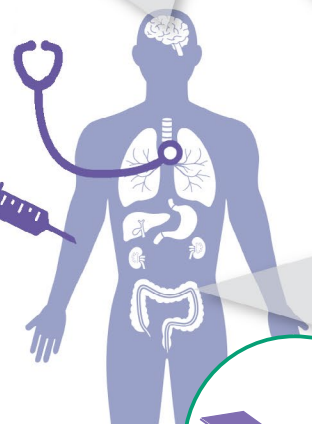
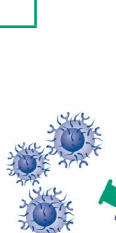
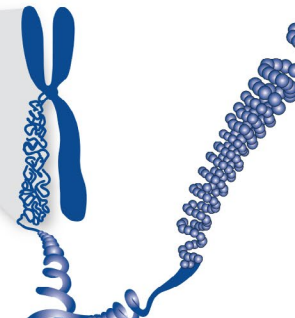
- Short- and long-read whole genome
- Methyl-Seq
- Single-cell and bulk ATAC-Seq
- ChIP-Seq

Metagenomics

- Whole genome
- 16S assay for bacterial ID
- ITS2 assay for fungal ID
- Microbe-EZ (Europe only)

Proteomics and Spatial Genomics

- Digital spatial profiling
- Olink® proteomics



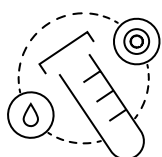
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The Azenta Life Sciences Difference

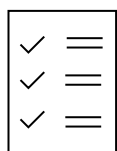
- Experience processing over 100 sample types including complex, novel, and less-than-ideal samples.
- Continuous optimization of solutions through increased automation and platform offerings.
- One of the industry's highest on-time delivery rates with over 92% of projects delivered on time.
- Expertise sequencing a variety of organisms with over 200 species sequenced.

Quality Through Every Step



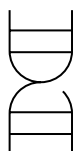
Sample Sourcing

Access to an extensive biorepository



Design

Free consultations from expert scientists



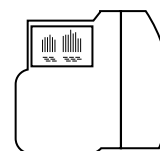
Extraction

Myriad of sample types accepted



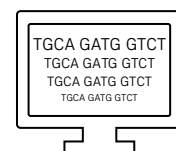
Library Prep

Automated processes improve reproducibility



Sequencing

Utilizing the latest platforms and technologies



Bioinformatics

Customizable offerings based on your needs

Flexible Package Options

Though our turnaround times already exceed industry standards, sometimes you need results quicker. We offer flexible service packages to accommodate your project deadlines while providing the same high-quality data you know and trust from Azenta Life Sciences.

Value

Come in under budget with our most economical pricing

Preferred

Get results quickly without breaking the bank

Express

Meet tight deadlines with our industry-leading turnaround time

Lightning

Receive results in lightning speed for select RNA sequencing and sequencing-only services

NGS Platforms



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