

Corporate Capabilities Brochure

# ENABLE SCIENTIFIC BREAKTHROUGHS



**AZENTA**  
LIFE SCIENCES

[azenta.com](http://azenta.com)

Breakthroughs and therapies are more than the destination. They are the culmination of everything that came before. Every promising path. Every unexpected turn. And so much time and energy.

In life sciences, that time is critical. Every moment our world is kept waiting for these advancements—for a discovery, a therapy, an essential innovation—impacts the lives of people who need them.

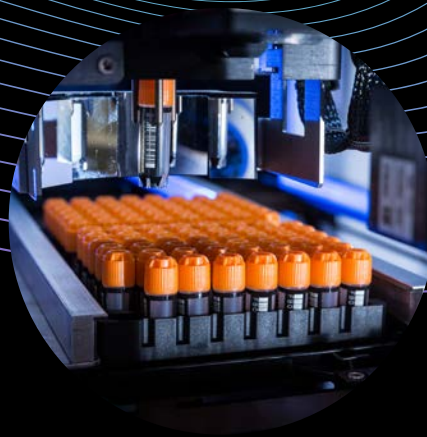
**We enable life sciences companies to bring impactful breakthroughs and therapies to market faster.**

# ACCELERATE DISCOVERY, DEVELOPMENT & DELIVERY



## RESEARCH & DEVELOPMENT

Expedite target identification, hit discovery, and lead optimization with comprehensive solutions for genomics research and high-throughput screening.



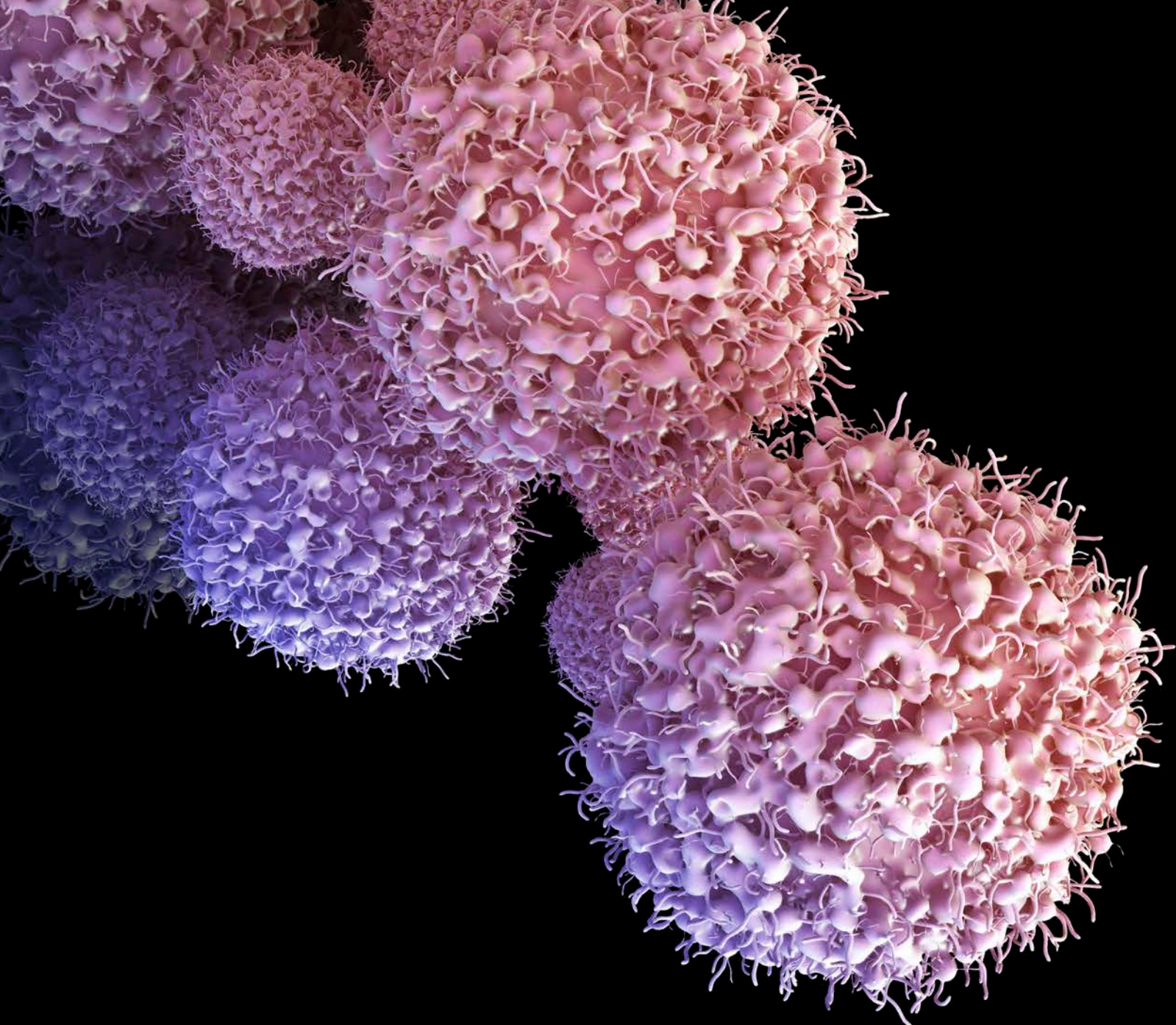
## PRE-CLINICAL & CLINICAL

Streamline sample management and exploration in regulated environments with state-of-the-art automation and unparalleled expertise.



## MANUFACTURING & DISTRIBUTION

Store and deploy therapies with the utmost security, sophisticated informatics, and full compliance—from the industry leader in cold-chain logistics.



# UNRIVALED SAMPLE EXPLORATION AND MANAGEMENT

# OUR PORTFOLIO

Because we treat every sample and process as mission-critical, we elevate the standards for sample exploration and management—and equip our customers to make vital decisions with conviction.

Azenta Life Sciences delivers unique, integrated, enterprise-wide solutions across six offer categories.

GENOMICS &  
ANALYTICAL  
SERVICES

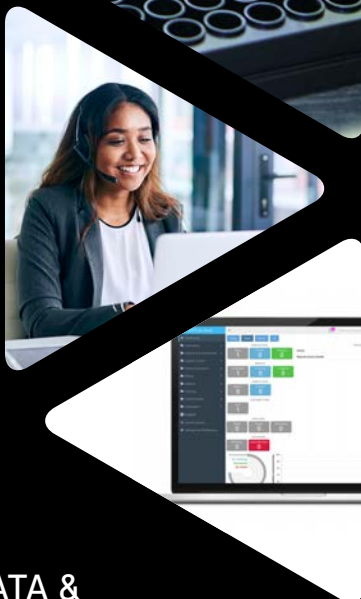


CONSUMABLES &  
INSTRUMENTS



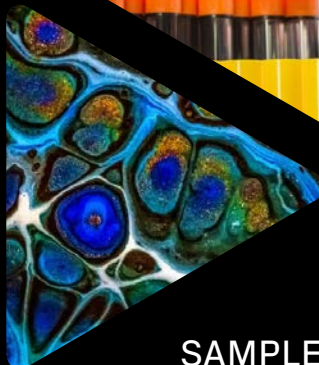
STORAGE,  
AUTOMATION &  
LOGISTICS

CONSULTATIVE  
SERVICES



DATA &  
INFORMATICS

SAMPLE  
SOURCING



# GENOMICS & ANALYTICAL SERVICES

## SEQUENCING

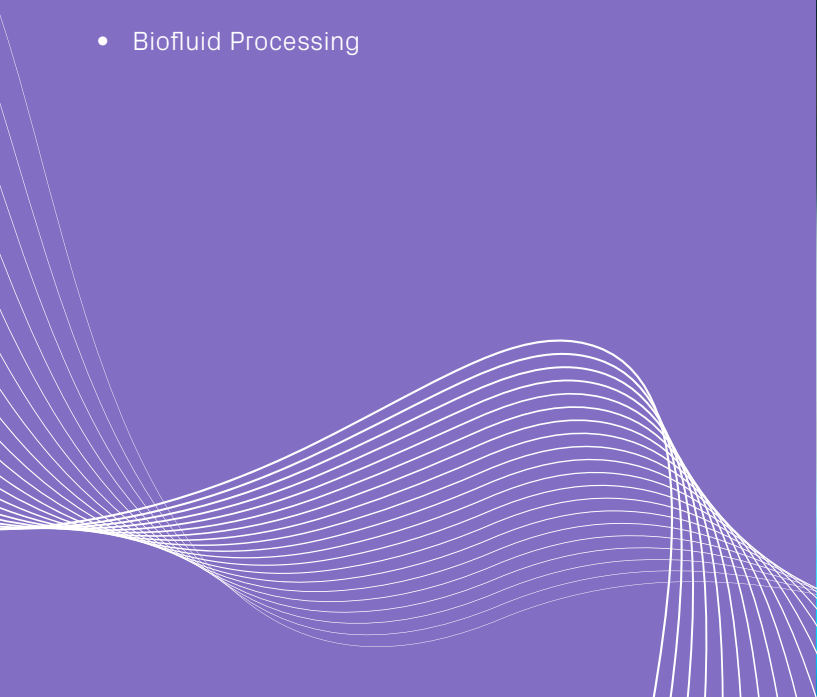
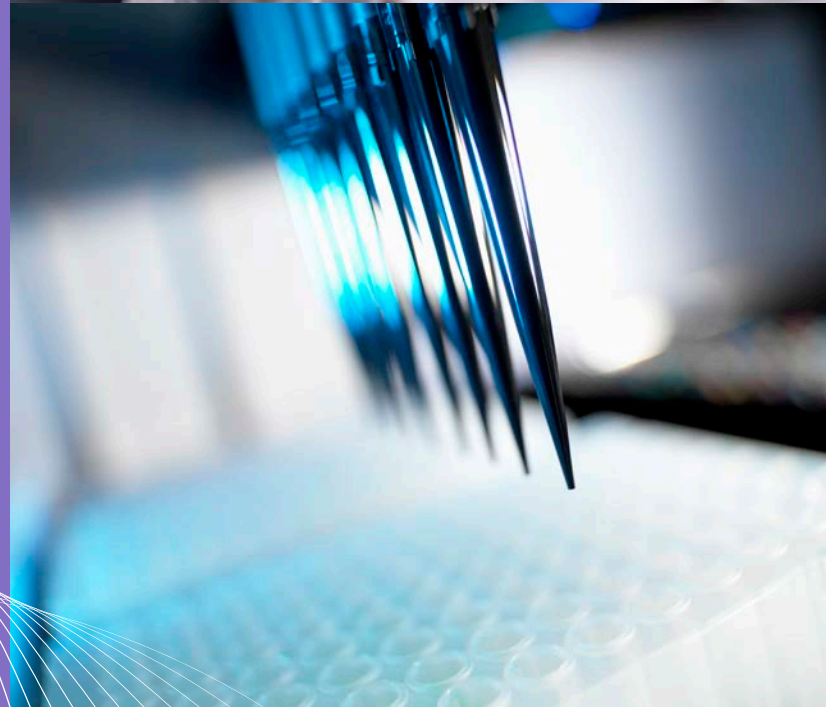
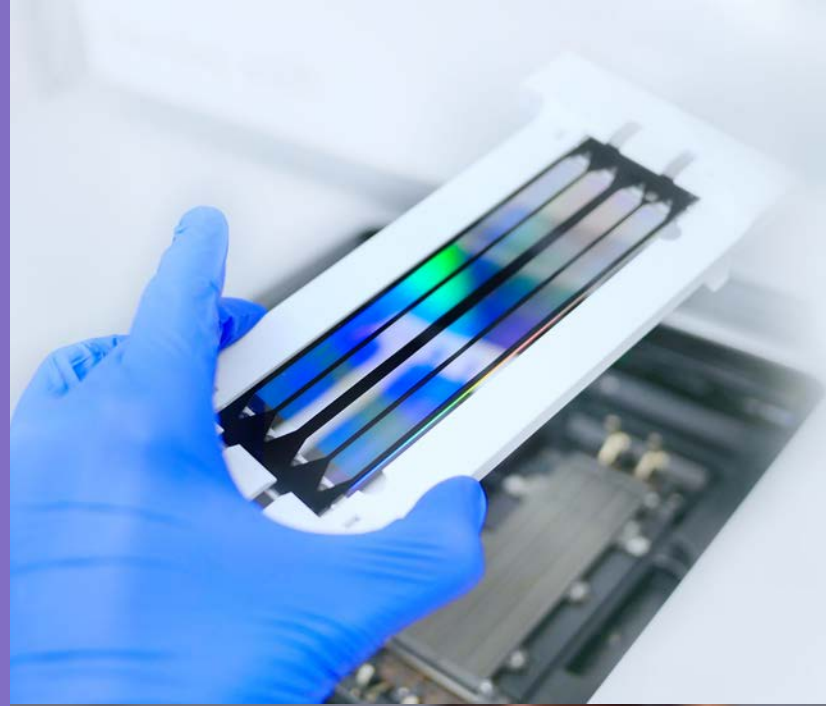
- Next Generation Sequencing
- Sanger Sequencing
- PCR + Sanger Services

## DNA & RNA SYNTHESIS

- Gene Synthesis
- Oligo Synthesis
- Gene-to-Virus Services
- Plasmid DNA Preparation

## OTHER SERVICES

- Gene Editing
- Biofluid Processing





Tri-Coded Sample Tube

# CONSUMABLES & INSTRUMENTS

## SAMPLE TUBE SOLUTIONS

- Tri- and Dual-Coded Sample Tubes
- Barcode Reading Systems
- Tube Capping & Sealing Systems
- Tube Management Systems

## PCR & MICROPLATE SOLUTIONS

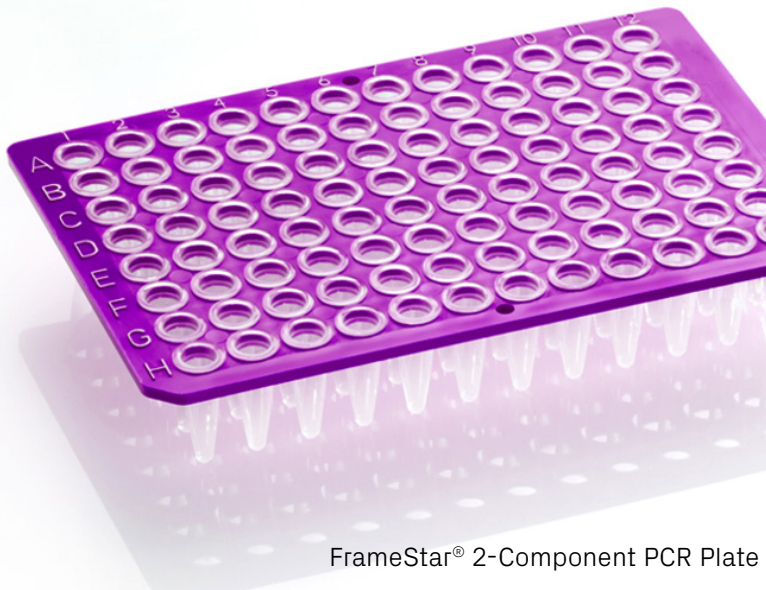
- PCR Plates, Strips & Individual Tubes
- Assay Microplates
- Adhesive & Heat Seals
- Automated Sealing Instrumentation

## SAMPLE COOLING AND HEATING

- Ice-Free Cooling Workstations
- Thermoconductive Tube Racks
- Alcohol-Free Cell Freezing Containers



Automated Direct Tube Marker



FrameStar® 2-Component PCR Plate

# STORAGE, AUTOMATION & LOGISTICS

## AUTOMATED STORAGE SYSTEMS

- Ambient to -20°C
- -80°C
- -190°C Cryogenic

## SAMPLE MANAGEMENT & STORAGE

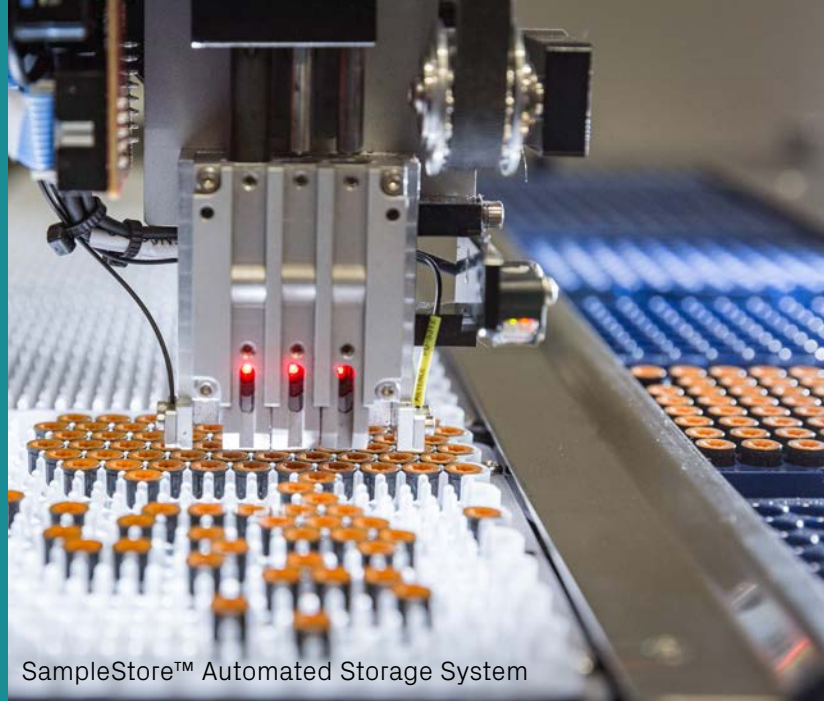
- Clinical Trial Management
- Sample Preparation & Lab Services
- Short- & Long-Term Sample Storage
- Sample Support Services

## DRUG PRODUCTS & THERAPIES

- Ultra-Cold Storage
- Cold-Chain Logistics
- Inventory Management

## TRANSPORTATION

- Biological Transport
- Laboratory Moving



SampleStore™ Automated Storage System

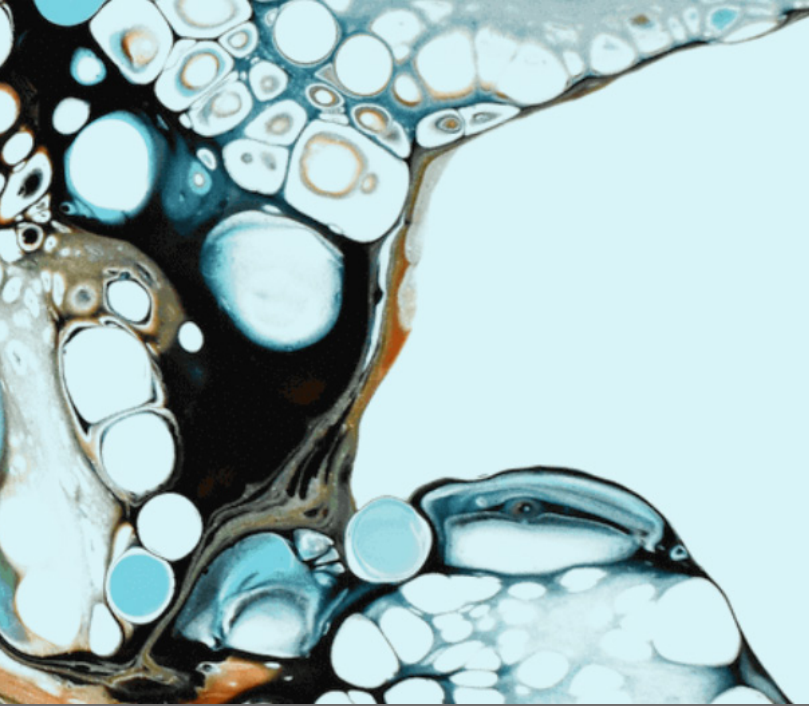


BioStore™ -80°C Automated Storage System



BioStore™ -190°C LN<sub>2</sub>-Based Automated Storage System





RESEARCH & DEVELOPMENT | PRE-CLINICAL & CLINICAL

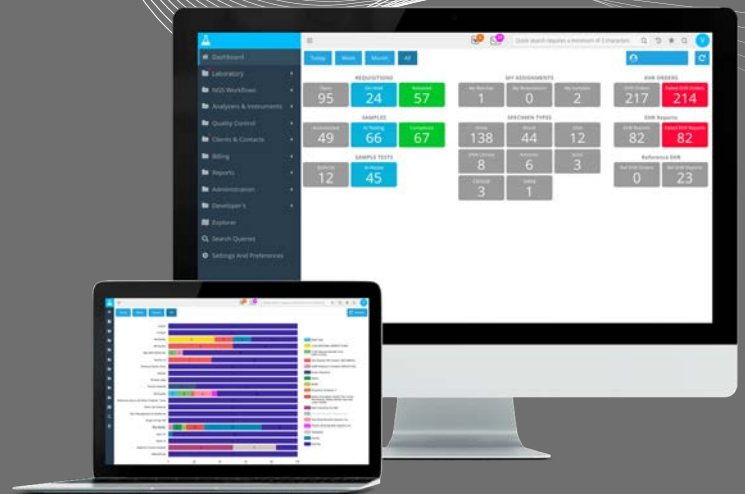
# SAMPLE SOURCING

Custom biospecimen procurement for developing and validating therapies and diagnostic devices

RESEARCH & DEVELOPMENT | PRE-CLINICAL & CLINICAL | MANUFACTURING & DISTRIBUTION

# DATA & INFORMATICS

Powerful software tools for sample and product lifecycle management



RESEARCH & DEVELOPMENT | PRE-CLINICAL & CLINICAL | MANUFACTURING & DISTRIBUTION

# CONSULTATIVE SERVICES

Expert guidance and planning for genomics, cold-chain logistics, automated storage, and clinical trial management



# HIGH IMPACT INNOVATIONS

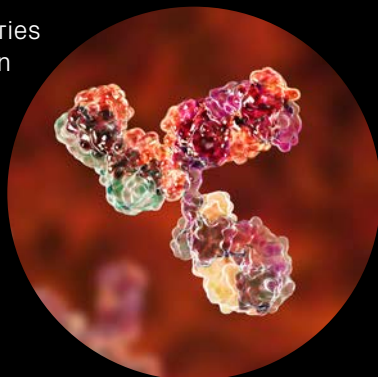
## ANTIBODY THERAPEUTICS

Single-cell immune repertoire profiling for antibody discovery

Synthetic DNA libraries for lead optimization

Antibody DNA synthesis and recombinant expression

Ultra-cold sample storage



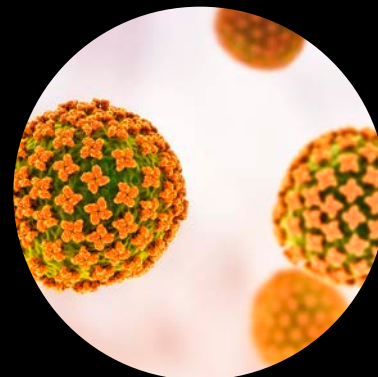
## CELL & GENE THERAPY

Automated cryogenic storage and transport

Proprietary AAV sequencing and plasmid synthesis

Gene synthesis and viral production bundle

Gene editing and CRISPR solutions

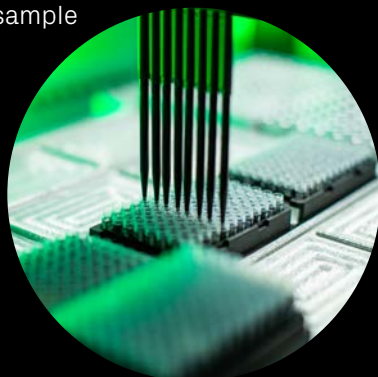


## SMALL MOLECULE DRUG DISCOVERY

Automation-friendly consumables and instruments, including acoustic sample tubes

Proprietary high-throughput NGS screens

Scalable, automated storage units for millions of compounds



## VACCINE DEVELOPMENT

Expedited synthesis of genes and DNA libraries

Clinical trial sample collection and management, including PBMC isolation

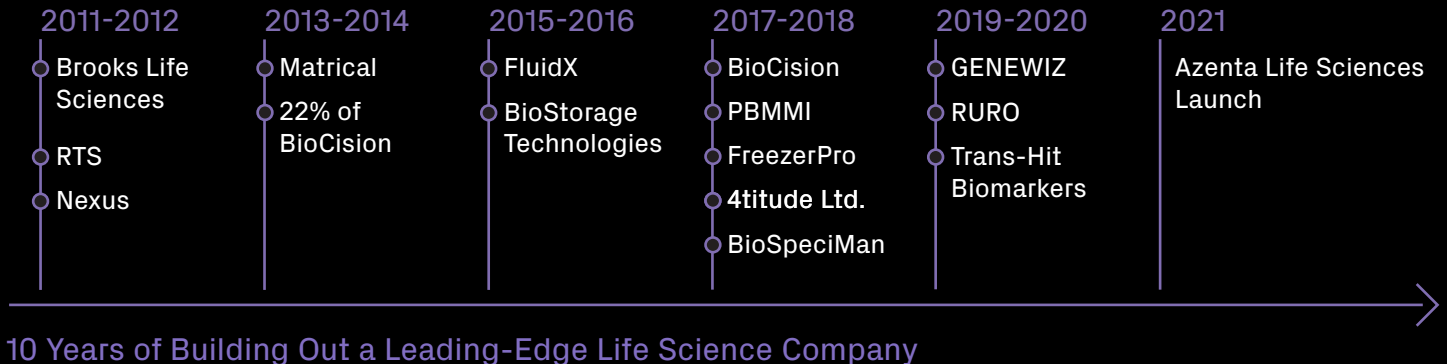
Cold-chain distribution and logistics of vaccine products



# OUR HISTORY

Since expanding into life sciences in 2011, we have dedicated ourselves to supporting our customers' ambitions. But with advancements in biotech, genomics, and AI, and a rapidly changing landscape, we saw an opportunity to do more.

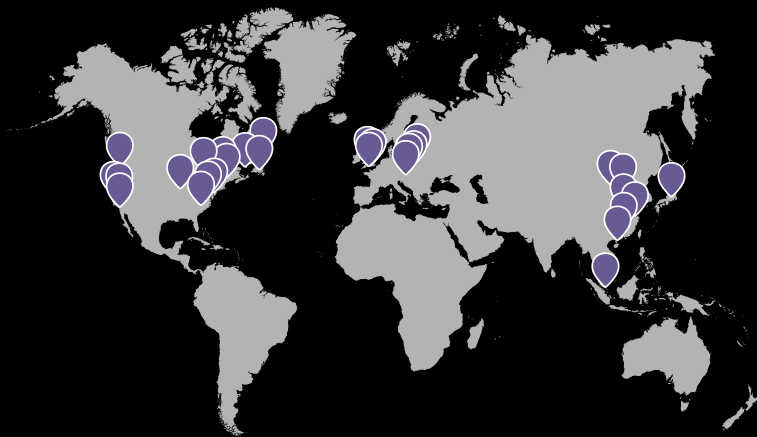
To help our customers achieve their goals with greater agility and insight, to bring more breakthroughs and therapies to market—sooner. To do so, we brought together leading capabilities across genomics, cryogenic storage, automation, and informatics.

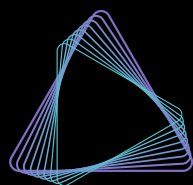


10 Years of Building Out a Leading-Edge Life Science Company

# OUR GLOBAL REACH

Azenta Life Sciences is the global leader in automated compound management for drug discovery, biological storage, and sample processing solutions with 30 locations in seven countries.





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