

Cell and Gene Therapy Storage and Logistics



Supply Chain Solutions

Azenta Life Sciences understands the challenges innovative companies face when storing, managing, scaling, and distributing high-value therapies requiring ultra-low and cryogenic temperature environments — especially cell and gene therapies. Our expertise in traceability, automation, and state-of-the-art cGMP and GTP global repositories support short- and long-term storage and distribution of temperature-sensitive critical reagents and therapeutic products.

Storage Temperature Capabilities

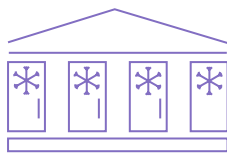
- Automated storage systems for consistent handling and traceability
- Electromechanical: Ambient to -80°C
- LN₂-based: -20°C to cryogenic (-196°C)

Types Of Materials Stored

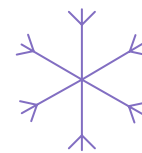
- Master/working cell banks
- QC retain samples
- Critical reagents
- GMP materials
- Reference materials
- Finished products

Cell and Gene Therapy Storage Solutions

- Automated storage platforms with wide temperature range and amplified audit trail of all movements to, from, and within the storage platform
- Customer site and/or Azenta Life Sciences site storage and distribution with scalable solutions
- 24-hour turnaround times available
- 24/7 secure, controlled access
- Robust quality management systems
- Over 200,000 sq. ft. dedicated to ultra-low storage
- Multiple levels of redundancy
- EMA and PMDA certified for cGMP storage
- National Association of Boards of Pharmacy (NABP) and US State Board of Pharmacy licenses
- GTP licensed by the US FDA



Flexible solutions to safeguard the integrity and quality of your cell and gene therapies while meeting regulatory requirements.



Unrivaled experts in ultra-low cold storage at -40°C to -80°C, LN₂-based storage as low as -196°C, and cold chain of custody maintenance below glass transition temperature.



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Global Locations

Global storage and distribution locations to support your supply chain and scale-up challenges

- Cleveland, OH, USA
- Fresno, CA, USA
- Indianapolis, IN, USA*
- Beijing, China
- Griesheim, Germany*
- Montreal, Canada
- Singapore, Singapore

*Distribution available



Logistics Solutions

The end-to-end logistic solutions provided by Azenta Life Sciences help you deliver cell and gene therapies safely and securely to and from clinical trial sites, hospitals, pharmacies, and distributors.



- Rapid retrieval and shipment of materials
- Quick deliveries for time-sensitive therapies
- Automated tracking and handling
- USDOT and IATA trained and certified
- Certified cargo screening facility and Bekannter Versender (known consigner in Germany by LBA)
- Custom-built mobile repositories to transport temperature-sensitive materials
- Established risk mitigation processes

21 CFR, Part 11 Compliant Inventory Software

An intuitive and reliable inventory management software enables users to access the complete chain of custody record and submit requests through a secure web-based portal.



- 24/7 visibility to material inventory
- Secure and compliant audit trail
- Temperature-monitored chain of identity and tracking
- Barcode automation
- On-demand reporting
- Customer and product-specific data
- Visual dashboards

