



**Global R&D Biorepository
Storage Solutions**
Safeguarding Every Sample



Astoriom has over 30 years of experience safeguarding the storage, security and stability of samples for R&D industries around the world. Our global biorepository facilities store a diverse portfolio of R&D sample types and offer a wide range of temperature and humidity-controlled environments, frost-free storage freezers with back-up power supplies and disaster preparedness plans for the ultimate protection of your sample assets.

Types of Samples we Store in our Facilities

Biologicals

APIs

Consumer Products

Manufacturing Products

Drugs

Reagents

Agricultural Products

Food & Beverage Products

Devices

Testing Products

Health & Wellness Products

Chemicals

We offer the industry's broadest range of sample storage temperatures, from +60°C to -196°C



Cabinet Storage (50°C RH, 55°C RH, 60°C RH)

Sample storage cabinet and humidity-controlled environments are available within our biorepository facilities to support the safe and secure storage of samples for future stress testing or stability testing. Some of the samples we store include API, drug products, medical devices, food products, and chemicals.



Ambient Storage (15°C - 25°C)

Room temperature samples preserved with bouin's, formalin or alcohol such as formulinfixed, paraffin-embedded (FFPE) tissue specimens, dried blood and reagents can be stored in our ambient, humidity-controlled environments. Our controlled temperature, low humidity environments ensure safe and effective storage of your samples.



Refrigerated, Cold-Storage (2°C - 8°C)

Controlled temperature, cold storage is available for medical, pharma or biotech product samples such as blood, plasma, serum, biofluids, vaccines, medicines or API that must be maintained at cold temperatures for short periods of time. We also offer cold-chain shippers that keep your samples protected while in transit to our facility or another.



Frozen, Ultra-low Temperature Cold Storage (-20°C, -40°C, -70°C, -80°C)

Ultralow temperature storage is the best option for biological specimens, reagents and more sensitive products that need frozen temperatures for long-term storage to protect the integrity and viability of the samples such as blood, cells, tissues, plasma, biofluids, reagents, vaccines DNA and RNA and animal tissue.



Cryogenic LN2 Storage (-196°C)

Cryogenic biological samples are stored in -196°C liquid nitrogen tanks to ensure the long-term viability of stored samples. Our cryogenic storage facilities are designed with robust security measures, including access controls and advanced monitoring and control systems that regulate temperature, humidity, and other environmental factors.

Biorepository Sample Storage Support Services

Astoriom provides biorepository sample support services for the transport, tracking, reporting and business continuity of your R&D samples including:

- Cryogenic dry ice-cooled custom transport units
- Sample transportation services
- Sample storage inventory intelligence data capture and tracking system
- Sample storage disaster protection and recovery solutions

Biorepository Sample Storage Management Process

Astoriom biorepository storage experts partner with R&D customers to provide consistent, high-quality storage and validation processes that meet stringent guidelines for quality and safety, offering clients confidence in the handling and preservation of their samples.

Transport

Provide inbound & outbound sample logistics options for the customer site or 3rd party.

Accessioning

Collect, authenticate, sort and catalog samples arriving at our facilities for storage.

Processing

Store or remove samples from storage and send to 3rd party lab or return to a customer.

Storage

Place samples in temperature-controlled environment with quality protocols & back-ups.

Tracking

Real-time tracking of sample authentication, processing, storage, and transport.

Leadership in High-Quality Sample Biorepository Storage

Astoriom's global biorepository storage facilities adhere to the highest international regulatory standards, ensuring full compliance with quality certifications and licenses. All samples stored in our biorepository facilities follow strict international quality control protocols and industry best practices.

Our facilities maintain both international and country-specific quality certifications and licenses.

- ISO 9001:2015 and cGMP compliance standards.
- (ICH) Q1A regulatory compliance for sample stability testing of new substances and products.
- (ICH) Q1B compliance for sample photostability testing of pharmaceutical products.
- FDA registered and FDA 21 CFR Part 11 compliant for sample storage equipment regulations.
- European Union compliant for the storage of pharmaceutical products.
- MHRA compliant and DEA licensed for controlled drug storage in the UK.
- HPRA compliant for the storage of medicine and devices for animal and humans in Ireland.
- CAP accredited and CLIA compliant in the US.

We offer an extensive quality management system which provides overall management, accuracy and control over the Stability and Biorepository Storage of your samples. Each facility features back-up generators for increased sample protection and business continuity.





Why Select Astoriom for Biorepository Sample Storage?

Global Leader in Regulatory Compliant Biorepository Sample Storage – Our over 30 years of expertise in R&D sample stability storage allows us to ensure the security and protection of your biorepository storage samples.

Unparalleled R&D Industry Sample Storage Expertise – We have years of experience in storing samples for over 20 various industries which enables us to provide the best storage consult and advice for your business.

Expert Biorepository Advisors Consult on Sample Storage Design – Our team of sample storage design experts partner with you to consult on your storage needs and provide storage protocol advice.

Comprehensive & Flexible Temperature-Controlled Storage Options – Our ability to store your samples in any temperature required allows us to support you in consolidating your biorepository storage for greater time and cost efficiency.

More Cost-Savings and Security with Lower Risk – Our redundancies in back-up equipment, staffing and our disaster recovery readiness provides you with a less risk, lower-cost option for protecting your sample assets allowing you to reinvest in R&D.

Partner with Us!

Sample Stability Storage
Sample Biorepository Storage
Sample Storage Design

Sample Storage Service and Validation
Sample Disaster Protection & Recovery
Sample Inventory Intelligence

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