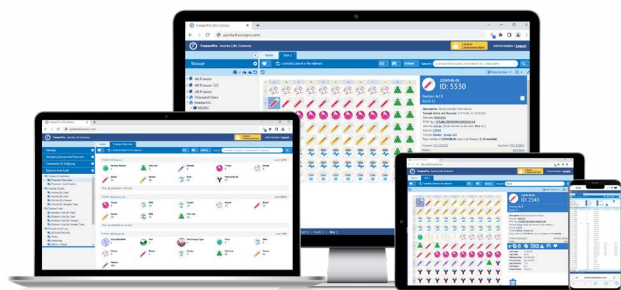# FreezerPro Integration for Automated Storage Solutions

Manage your sample collections across manual and automated storage in one unified interface by integrating your automated storage solution with FreezerPro® from Azenta Life Sciences. Locate, track, and even order your automated samples through FreezerPro.

Introduction

Strata™ Store Controller Software is the high performance engine that drives the sample management process in the Azenta Life Sciences SampleArc™ and BioArc™ automated storage solutions.

Strata does not store details about the sample. This means Strata is not used to manage the samples by metadata and doesn't currently support a combination of manual and automated storage units.

By integrating FreezerPro, a scalable sample inventory management system with Strata, we can offer customers a unique integrated offering. Quickly find your samples using FreezerPro, whether they are stored in a manual and/or an automated store. Ready to use your samples? Retrieve them with a few clicks. With FreezerPro, you can see the full history of your sample, wherever it moves within your lab.

BioArc

SampleArc

Why FreezerPro?

- Quickly search for your samples by any property

- Locate samples whether they are in manual storage and/or an automated storage solution

- Register samples and generate automated or manual pick lists through a unified interface

- Meet regulatory requirements: FreezerPro's audit log shows the full history of your sample, wherever it moves in your lab

Why Azenta Automated Storage?

- Sample security from -80°C to ambient

- Fully configurable modules allow a wide range of applications, capacity, throughput, and labware

- Accurate inventory control

- Workflow optimization

- Scalable sample throughput

- Adaptable storage automation from single labware type to multiple formats: tubes, vials, or plates

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FreezerPro Integration for Automated Storage Solutions

FreezerPro Allows Customers To:

- Search and view the inventory of their Azenta automated stores

- Pre-register samples in a Store through FreezerPro

- Cherry pick samples from a Store through FreezerPro

- Maintain a clear history of sample ownership and movement for audit purposes

- Store metadata about the sample; the system will recognize aliquots of a sample giving common data on the sample as well as individual data on the aliquot

Azenta Automated Storage Systems Allow Customers To:

- Store small to super-large sample collections but with the benefits of automation for easier, faster, and more reliable access to high-quality samples

- Store a range of container types and sizes providing compact, flexible, high density sample storage

- Rely on automation to capture sample barcode data upon input to automatically update the inventory and assign a storage location

- Minimize opportunity for human error in documentation and inventory management

Storing Samples

1. Register rack and samples → FreezerPro
2. Place rack in automated freezer → Azenta Store
3. FreezerPro updates location to "Stored"

Retrieving Samples

1. Create sample picklist, create orders from picklist → FreezerPro
2. Create, execute order → Azenta Store
3. FreezerPro updates location to output
4. Samples retrieved from output

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