FreezerPro Integration for Automated Cryogenic Storage Solutions

Manage your sample collections across manual and automated storage in one unified interface by integrating your Azenta automated storage solution with FreezerPro®, a scalable sample inventory management system. Locate, track, and even order your automated samples through FreezerPro.

Introduction

FreezerPro complements BioStore™, the high-performance engine that drives the BioStore. FreezerPro stores all the metadata details for the samples within your BioStore.

Quickly find your samples using FreezerPro, whether they are in manual or automated storage. 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.

BioStore

Why FreezerPro?

- Track each individual unit/sample anytime
- 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?

- Complete -80°C to -190°C storage environment
- Full vial or cassette level inventory tracking
- Insulating tower temperature protection for non-targeted tubes
- Ergonomic design for simple user experience and minimized injury risk
- Automation implements precise cold chain handling and documentation
- Adaptable storage automation from single labware type to multiple formats: tubes, vials, or plates

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FreezerPro Allows Customers To:

- Search and view the inventory of their Azenta automated stores

- Pre-register samples in a store through FreezerPro

- Select 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 to recognize aliquots of a sample giving common data on the sample as well as individual data on the aliquot

- Develop their own connectivity between LIMS and automated systems with FreezerPro's web API

Azenta Automated Storage Systems Allow Customers To:

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

- Store a range of labware/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

REGISTER AND STORE SAMPLES
1 Drag/drop a box to the freezer Input
2 Store order created
3 Run order
4 Box appears in Stored Area

PICK A BOX
1 Drag/drop a box to the freezer Input
2 Box remove order created
3 Run order
4 Box appears in freezer Output

PICK SAMPLES
1 Add sample to picklist, create pick order
2 Pick order created
3 Run Order
4 Samples appear in Output → Picked Samples