

Automated Cryogenic Storage Upgrades



Introduction

Maximize the usage of your Automated Cryogenic Storage from Azenta Life Sciences with an upgrade package to improve freezer functionality and process control. With available enhancements to features such as alerts, library management and reporting

Benefits

- Latest functionality and improved performance
- Increased value from your investment
- Support future growth plans in your business
- Low cost options, with high value return
- Works in conjunction with your existing equipment
- Fully trialed, tested and maintains existing warranty

PC & Software Upgrades

Package	Features	Description
BioStore™ PC & Windows	New PC & Windows Pro OS (Home to Pro conversion) Software – with either on site or remote support	BioStore on site upgrade to install new PC & Windows Professional OS to provide: <ul style="list-style-type: none"> • Improved performance • Supported OS • Bug fixes • Continued reliable uptime • Security improvements

Cryo Software Upgrades

Package	Features	Description
BioStore Software	Latest software to run the store - with either on site or remote install support	BioStore software on site upgrade to: <ul style="list-style-type: none"> • Functionality & additional usability incl. previous versions • Data security • Apply bug fixes • Support additional labware • Support upgrades – light tower, UPS, tall door, sample protection • Periodic indexing of turntable + positions • Improved rack puller recovery • Additional service support

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Licenses

Package	Features	Description
BioStore Software Interface & Run Time License	Reporting functionality for: <ul style="list-style-type: none"> • Orders • Inventory • Monitoring Items • Security • System 	Provide system users with accurate reporting capability by accessing the necessary reports in a matter of minutes. Reports are always kept up to date and minimize time consuming effort. Real-time reports available on a multitude of data captured and stored securely by the BioStore's onboard inventory management system. Easily accessible audit trail makes 21-CFR, Part 11 compliance a much easier task.
	LIMS/WebAPI	Using a RESTful Web Service API module for communication with third party LIMS, Azenta Life Sciences' BioStore can be integrated with any homegrown or enterprise LIMS system.
	Library Management (virtual in freezer)	Allow users with access privileges to define individual partitions and libraries within a single, automated freezer system. Access rights to specific racks, boxes or cassettes can be modified by the administrator and non-authorized personnel prevented from retrieving containers in that library.
	Notification alerts	Users can choose from several notification templates and customize how to be notified of an event; from emails, text messaging, to light tower / audible alarms (if available). Multiple alert notifications can be created with varying levels of severity (information, warning, critical) and each alert notification can be enabled and directed to any user(s) in the system.

Cryo Sample Protection Kit

Package	Features	Description
BioStore Cryo Sample Protection Kit	Easy access & alert management including email notifications Maintain sample safety and integrity Includes brake override to allow return of sample to the freezer quickly	Protection of samples to maintain integrity, with rescue feature for precious samples BioStore upgrade to install: Mechanical – Light tower hardware, Break Override, Smart UPS hardware, Service door update Software – Latest software USA Version (100V) OR EUR Version (230V) availability

Validations/IQ/OQ/PQ

Package	Features	Description
TEC 3000 requalification & calibration	Regular & planned assessment of measuring equipment <ul style="list-style-type: none"> • Liquid Levels • Liquid Usage • Temperature Readings • Fill Time 	As the TEC 3000 is capable of storing vital unalterable, time stamped data for potentially 10 years, it is imperative that the data capture is accurate and reliable when recovered and used for numerous purposes. Ensuring correct functionality and readings from your existing measurement equipment is critical to maintain the integrity of your samples. This service option is especially helpful if equipment is moved, exchanged or following major overhaul.
Install Qualification	Function of the BioStore to operate as required	To provide documented evidence that the BioStore, including the Chart BioMedical MVE cryogenic freezer and Azenta Life Sciences BioStore, is installed according to specifications and performs the intended functions as specified by this protocol.
Operational Qualification	Function of the BioStore to operate as required	To provide documented evidence that the BioStore, including the Chart BioMedical MVE cryogenic freezer and Azenta Life Sciences BioStore, operates according to specifications and performs the intended functions as specified by this protocol.
Performance Qualification	Thermo freezer temperature mapping with samples in the system	To provide documented evidence that the BioStore, including the Chart BioMedical MVE cryogenic freezer and Azenta Life Sciences BioStore, operates according to specifications and performs the intended functions as specified by this protocol.

