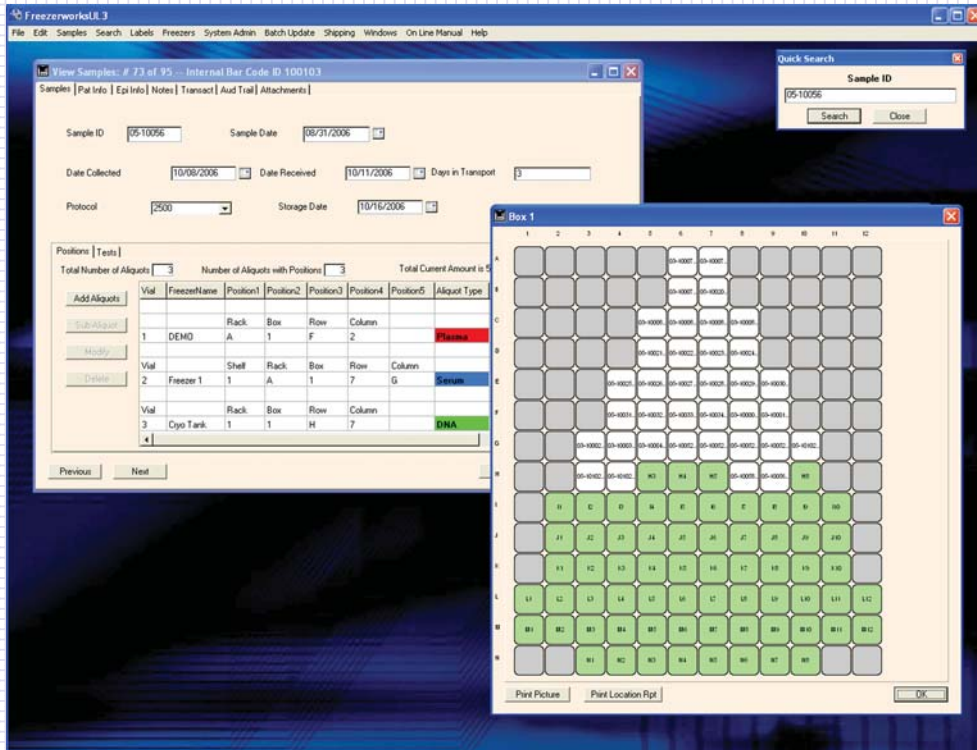


Freezerworks Unlimited

A Product of Dataworks Development, Inc.



Software for
Freezer Inventory
Sample Management
Sample Tracking

- Configurability
- Security
- Batch Processing
- Compliance
- Integration & Connectivity with Web Services
- Bar Coding

- Client/Server or Single User
- Cross Platform

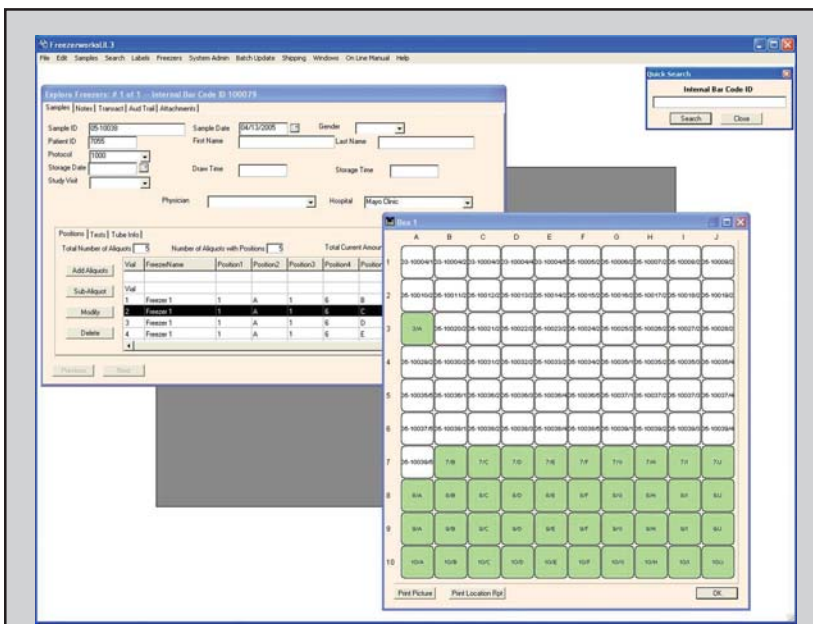


Your lab regularly receives, stores, tests and ships samples. Rely on **Freezerworks Unlimited** to provide the tools you need to control the process, while meeting GxP and FDA and caBIG™ requirements.

Since 1985, **Dataworks Development, Inc.** has been delivering quality data management solutions to research and clinical laboratories and repositories. Our mission is to provide software that is both configurable and secure. Our focus is on freezer inventory, sample tracking and management.

Tracking valuable sample data in a secure environment is critical for laboratories and biospecimen repositories. Hunting through a large number of different types of samples to find those you need to ship, test, or update can be a nightmare and cost a great deal, in real dollars and valuable research time.

Freezerworks Unlimited offers a complete solution. Both flexible and configurable, Freezerworks Unlimited is the freezer inventory program of choice for locating samples whether they are stored by hospitals, clinics, research universities, museums, biotech or pharmaceutical companies.



Freezerworks Unlimited offers up to 2,000 user-defined fields and provides your laboratory with the ability to keep track of as much data as you need on each sample, or even each aliquot of a sample. It is also an excellent tool for use by different disciplinary groups or projects that have unique data requirements but need the ability to selectively share data. You can design multiple data entry screens and assign them to specific users and groups. Because you have the ability to hide select data from unauthorized personnel, **Freezerworks Unlimited** offers a high level of system security. Meanwhile, **Batch Entry, Search and Update** features make **lab workflow** move faster and easier.

And **Freezerworks Unlimited** was written and validated according to the **FDA guidelines for software development**, so you can be assured of meeting the necessary regulatory requirements.

Freezerworks Unlimited offers a number of ways to locate samples.

- Use the multiple search engine options at the main menu to search by sample, aliquot, and transaction fields.
- For one-step "scan and find", use the Quick Find box.
- With the View Picture option, locate and click on an aliquot to view and update its data.

Features and Benefits of Freezerworks Unlimited



Positions | Tests | Tube Info

Total Number of Aliquots: 4 Number of Aliquots with Positions: 4 Total Current Amount is: 8

Aliquot	Vial	FreezerName	Position1	Position2	Position3	Position4	Position5	Unique Aliquot ID	Parent Aliquot ID
1	Cryo Tank		1	1	G	4		300363	0
2	Cryo Tank		1	1	G	5		300364	0
3	Cryo Tank		1	1	G	6		300365	300364
4	Cryo Tank		1	1	G	7		300366	300365

Assigning sub-aliquots: As new samples are developed from existing aliquots, quickly create new aliquots from them while maintaining a link to their parent aliquots.

CONFIGURABILITY Your lab has special data entry and data integrity needs. Create your own fields and entry/view screens for different groups, studies or tasks. Create field **data libraries** of allowable entries, **default entries**, **color formats** and **restricted lists** based on entries in other fields. You can even create **calculated fields** built upon entries in other fields, and include mathematical expressions. Freezerworks Unlimited can be configured to **match all freezers and liquid nitrogen tanks** and racking systems your lab utilizes.

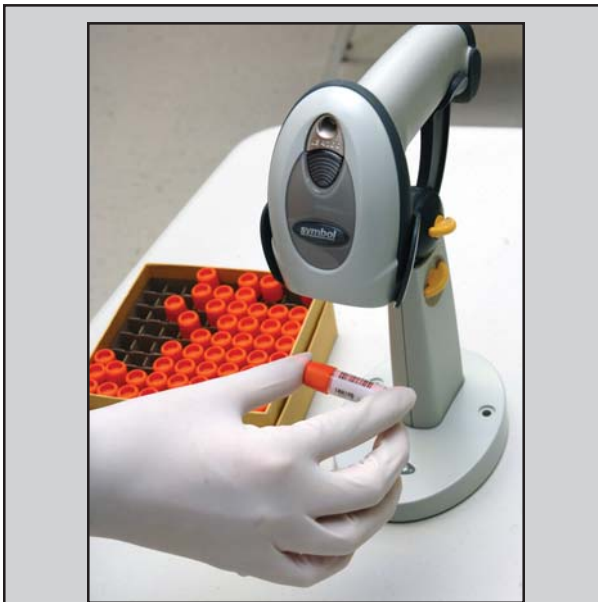
SECURITY Different users and groups need different access levels. Freezerworks Unlimited gives your system administrator complete control to match each user's permissions based on the tasks each user will perform and the security level needed. Requirements can be as relaxed or as strict as your needs are. And as security requirements change, Freezerworks Unlimited is ready to meet those changes.

BATCH PROCESSING Efficient and timely workload management often calls for logging in large numbers of unique yet similar samples. Why not enter your samples into an easily searchable relational database, assign freezer locations and print labels at the same time? Freezerworks Unlimited offers powerful tools for batch entering or updating such samples. Ease your workload by creating **batch entry formats** to match your workflow for sample login. Locate any number of samples and aliquots and use **batch update** to add aliquots, create transactions, deplete volumes, mark for shipping or testing and more.

COMPLIANCE Freezerworks Unlimited comes with a **QC Check Freezer** option which allows you to efficiently manage quality control on your freezer inventories. Scan a box or rack and reconcile its contents with your database. Freezerworks Unlimited is written to meet the most stringent interpretations of 21 CFR part 11 and GxP requirements. Freezerworks Unlimited with the SOAP Server module has also received Bronze level certification from the National Cancer Institute's Cancer Biomedical Informatics Grid (caBIG™).

CONNECTIVITY The Freezerworks Unlimited SOAP Server gives your IT developers the tools they need to integrate the database with existing systems through web services tools and scripting languages. SOAP Server also allows you to create scripts to link your data to PDAs, browsers and readers while utilizing Freezerworks user security. Import is available as well, to create new records or update existing ones.

BAR CODING Run your repository like a library. Use the built-in bar coding features to print cryogenic-safe bar code labels. Later, use the search and batch update features to locate, pull and check out samples.



Select from a number of options for scanning, either direct or remote. Enter new samples or update and verify pulled samples. With Freezerworks Unlimited and your bar code scanner you can:

- **Batch enter** - fill a box of newly arrived samples in seconds.
- **Pull and update** your samples - "check out" your samples whether for shipping or testing.
- **Scan your freezer box contents** for quality control, to verify and reconcile the contents with Freezerworks.

Features and Benefits of Freezerworks Unlimited

- Tailor the program to match all freezer/refrigerator rack and label systems.
- Create as many **user-defined fields** as you need. Assign Group ownership to screens, freezers and samples.
- Create **smart drop-downs** for fields so that field values available in a drop-down pick list are dependent on an entry made in another field.
- Create **smart default values and colors** so that a default value is automatically entered into one field based on another field's value. Highlight important field entries using color.
- Create **calculated fields** built on combinations or mathematical expressions from other fields.
- Find samples quickly using enhanced **search capabilities**, including bar code scanning and searches by external text files.
- Use **batch entry** formats to quickly enter up to 200 samples with multiple aliquots and varied sample types - an especially valuable sample management tool for pharmacokinetic timepoint studies.
- **Batch update** sample information for fast processing.
- **Ship samples** to other sites in a streamlined and straightforward manner. Maintain shipping contacts & addresses.
- Create alerts to stay informed of depleting amounts with **Scheduled Searches**
- Print **bar code** and human readable vial labels that withstand long term cryogenic storage and thawing processes.
- Select from a wide variety of bar code label sizes, formats, and designs.
- Print reports using the flexible **report writer**, or create re-usable formats to quickly **export** to spreadsheets.
- **Import** data from existing databases, text files and spreadsheets. Update existing records using smart import.
- Link to outside applications, web sites, hand held instruments/PDAs with **SOAP and Web Services** using the SOAP Server module.
- Each sample and aliquot is assigned a globally unique identifier - excellent for sharing samples across systems while maintaining sample data integrity
- Written and validated according to **FDA guidelines** for software development
- Meets **21 CFR Part 11** requirements & certified **caBIG™** Bronze with SOAP Server module

Program Specifications

Maximum number of Freezers: 16 million, with up to 5 racking subdivisions per freezer - alpha or numeric designations. Works for all freezers and tanks, with exceptions allowed for various sized racks, boxes, frames, etc.

Maximum number of samples: 16 million

Maximum number of aliquots: 16 million

Freezers per sample: Unlimited

Maximum number of transactions: 16 million

Maximum number of user-defined fields: 2000

Search: May search by any field and combinations of fields

Password security: Options for requiring mixed case, mixed numbers and letters, minimum number of characters, expiration dates, password recycling limitations, automatic logout and account disabling after a determined number of unsuccessful entries

Audit trail: Tracks all record updates by user, date, and time; option to track reasons for changes

Import from and Export to ASCII/text: Yes

Bar Code Symbolologies used: Code 128, PDF417, DataMatrix

Bar Code Printers supported: Zebra 2844™, Z4M™ Brady BP1344™, Brady MVP 300™, call for other options/requests

Network: Client/server version available, TCP/IP protocol, fully automated backup system

Manual: Available in hardcopy and Adobe™ PDF format

OS Compatibility: Windows™ 2000/XP, Vista; Macintosh™ OSX v. 10.3.9 or later

Minimum Windows™ Requirements: Pentium II; 800 x 600 monitor resolution

Available RAM: 256 MB

Recommended Minimum Server Requirements: Call

Minimum Macintosh™ Requirements: G3 or better processor; 800 x 600 monitor resolution

Available RAM: 256 MB

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