Spring Cleaning

2024 Sample Manager User Conference Lance Ludwick (He/Him)



Sample Manager Support

help@labkey.com

New projects, lab, or users?

Questions or feedback?

Introduction

Lance Ludwick

- Help new and existing customers with all things Sample Manager
- Worked at a zoo, emergency veterinary clinic, human organ and tissue donation
- Recorded samples using pen and paper,
 Excel, LIMS, combination of all three

Archive Project

Organize/dispose 100K+ samples

- **2007-2023**
- Used: 3 different LIMS, spreadsheets, written records

Archive Project Challenges



Missing Data

- Each set of data had different data fields, but not the whole picture
- Had to cross reference data multiple times
- Missing source information

Always Moving

- Sample location was not indicated
- Freezers were constantly changing with no record of where they went
- Had 16 freezers in five rooms in 2 labs

Not Queryable

- Could not easily pull a list of samples needing to dispose
- Difficult to track which samples had been disposed of

How Sample Manager Could Help



Missing Data

- Capture as much or as little data
- Link samples to source
- Centralize Data
- Register samples without it impacting existing data

Always Moving

- Move entire racks/freezers of samples to a new location
- Audit sample locations
- Indicate exactly which lab or room the samples are in

Not Queryable

- Search for samples based on specific data
- Keep track of sample life cycle

Data Organization



Organize Data by Levels - We Can Help!



Source

Information to discard all samples from a source (deconsent, inactive, cancelled)

Lineage

Sample

Expiration dates or dates to discard

Volume of what remains

Sample quality

Assay

Thresholds for test results to indicate if a sample can be disposed of

Quality control

Audit log

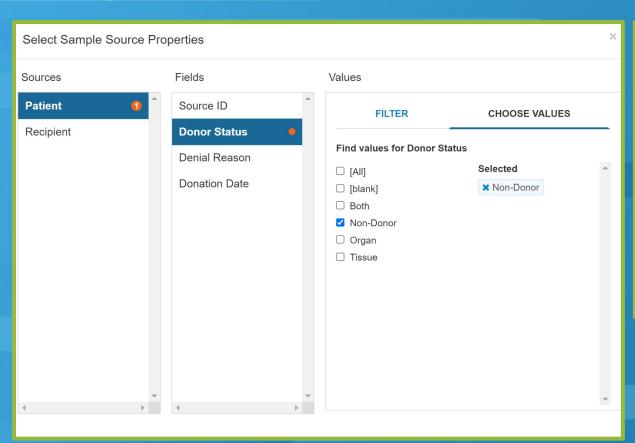
Sample centric, specific location, and system wide

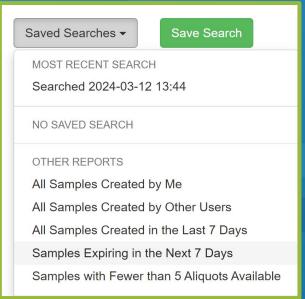
Track all changes and their reasons

Sample Finder

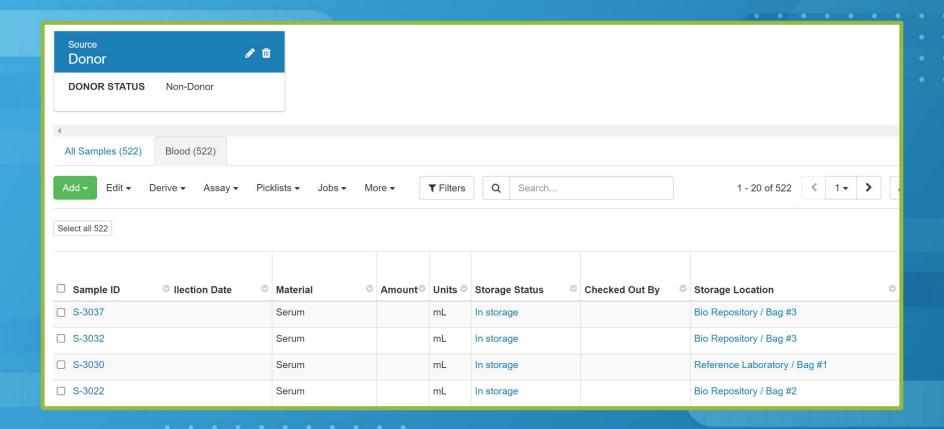


Sample Finder











Freezer Maintenance





Sample Management

- Use barcodes and print labels from Sample Manager
- Cover labels in clear tape
- Enforce comments when working with samples

Audit Logging

Would you like to require that users provide a reason before completing certain actions? ?

O No, reasons are optional.

Users will see the reasons field but can leave it blank.

Yes, reasons are required.

Users must enter a reason for any of these actions.



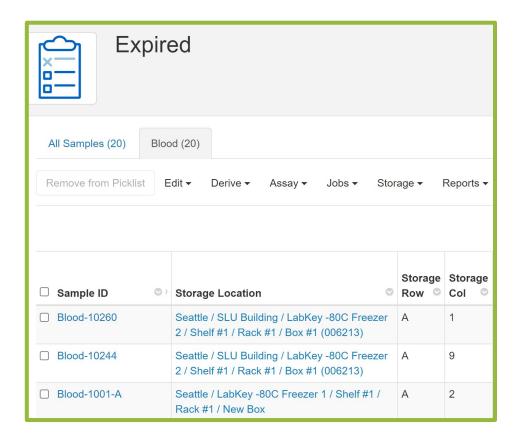
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- Use picklists

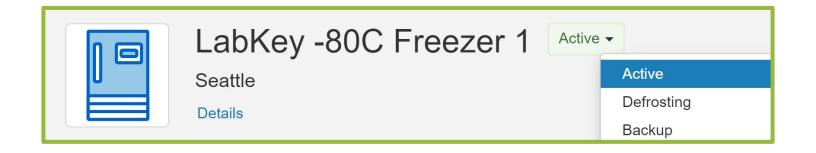




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- Use barcodes and print labels from Sample Manager
- Cover labels in clear tape
- Enforce comments when working with samples
- Use picklists

- Don't block the fans
- Should defrost a freezer at least once a year
- Use freezer statuses



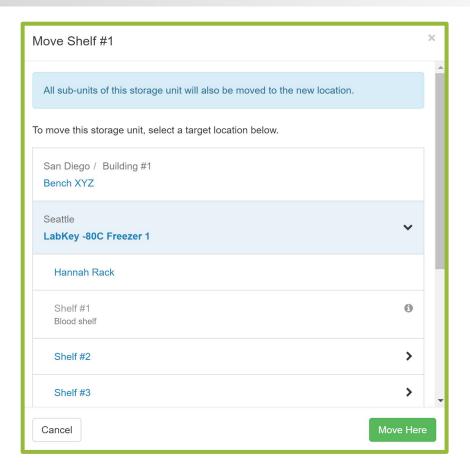


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- Should defrost a freezer at least once a year
- Use freezer statuses
- Move entire racks or shelves
- Use dry ice

Disposal Process



Organize Data

Query Data

Maintain Samples and Freezers

Structure data in a way to indicate whether or not a sample or group of samples should be disposed of

Search for samples based on their data using Sample Finder

Periodically dispose of samples no longer needed.

Follow freezer manufacturer guidelines

Sample Manager Support

help@labkey.com

How to learn more:

- Email Us
- Blog
- YouTube Playlist
- Support Docs
- Schedule a Meeting

Questions?

