



Laboratory Data Management System



LDMS is a comprehensive laboratory information management system for managing collections of biological specimens.

It is used by clinics and laboratories around the world to manage specimen tracking, inventory storage, specimen shipment, barcode labeling and much more.



How it works

LDMS is accessed using a web browser. Frontier Science will work with you to set up your laboratory and the user accounts that you need to get started. Simply sign in to www.webldms.org and start working.

Your laboratory's data will be securely managed by Frontier Science; there's no additional software for your laboratory to install and no worry about losing data to a computer problem. LDMS meets all 21 CFR Part 11 regulatory requirements, and Frontier Science's IT infrastructure is SOC-2 Type 2 certified.

Specimen Management

Menu Applied Filters: 1

Participant 1 of 101

Project: FRONTIER
ID1 / PID: 123456
ID2 / Study: METABOLIC

Visits for ID2 / Study METABOLIC

Visit	Collection Date	ID3	Clinic	Action
0 Scr	17/May/2013		9910	Edit
1 Bk	21/Apr/2021		9910	Edit
	07/Oct/2022	TESTID3	1	Edit

Primary Specimens for Visit 0 Scr, 17/May/2013

Global Specimen ID	Status	Collection Time	Primary Type	Additive Type	Specimen Condition	Available Volume	Other Specimen ID	Specimen ID	Action
HEQ0067G-00		07:45	BLD	HEP	SAT	20 ML		500V13000007	Edit

Aliquots for HEQ0067G-00

Global Specimen ID	Status	Derivative Type	Sub Add/ Der Type	Specimen Condition	Available Volume	Other Specimen ID	Specimen ID	Storage Location	Action
HEQ0067G-01		PL1	N/A	SAT	1.5 ML		500V13000008		Edit
HEQ0067G-02		PL1	N/A	SAT	1.5 ML		500V13000008		Edit
HEQ0067G-03		PL1	N/A	SAT	1.5 ML		500V13000008		Edit
HEQ0067G-04		PL1	N/A	SAT	1.5 ML		500V13000008		Edit
HEQ0067G-05		PL1	N/A	SAT	1.5 ML		500V13000008		Edit

Features

- Easy-to-use interface works with most web browsers
- No software to install and no data to back up or maintain
- Manage participant, visit, specimen collection, and processing information in one place
- Visually assign specimens to storage locations
- Transfer specimen data to other laboratories
- Print specimen labels and 1D and 2D barcodes
- Data exchange and integration with other systems via an API

LDMS My Workspace Specimen Management Storage Shipping Reports Labels Test Results Administration Online Resources

Help Log Out

12345678

Menu Applied Filters: 1

Applied: 1 filter

Storage Filters

Type: Select Type...

Temperature: Select Temperature...

Storage Unit Name: Select Storage Unit...

Storage Level Name: Select Level...

Specimen Container Name: Select Container...

Participant Filters

Enrollment Filters

Visit Filters

Specimen Filters

Shipment Filters

Storage Inventory

12459876

416-80

-80 FREEZER PLASMA

[04] MISC

[04] FRONTIER

[01] BEQ0050R-01

[02] BEQ0050R-02

[03] BEQ0050R-03

[04] BEQ0050R-04

[05] BEQ0050R-05

[06] BEQ0050R-06

[07] BEQ0050R-07

[08] BEQ0050R-08

About Frontier Science

A not-for-profit founded in 1975, Frontier Science has supported the advancement of clinical research at over 800 sites and laboratories worldwide and provided data management services across more than 1,200 clinical studies. Learn more at FrontierScience.org.



Specimen Inventory

Efficiently log and track your specimen inventory using our intuitive user interface. Define custom specimen collection templates to standardize your data entry and minimize manual input. Quickly locate records in your database to review work or apply updates using a comprehensive set of record filters or 1D/2D barcode scanning capabilities.

Shipping

Efficiently generate manifest reports and data-transfer files to move inventory between labs. Build shipments of specimens by using our comprehensive filters, bulk uploading lists of specimens, or leveraging your LDMS storage environment to quickly assign stored specimens for shipping.

Data Exchange

Easily extract your data using LDMS reporting capabilities and our integrated API support. Utilize dozens of predefined, formatted reports across a variety of categories or use our Custom Report Builder to define reports that meet your specific criteria. Go beyond basic reporting and use our integrated API to stream your LDMS data into larger, complex data workflows.

Storage

Powerful and intuitive storage management features keep your specimens organized. Easily build and customize your unique, virtual storage environment aligned to your physical freezers. Assign specimens to individualized storage positions and locate specimens on-demand using a comprehensive set of record filters and robust reporting capabilities.

Barcodes and Labels

Customizable features allow you to define and standardize unique specimen labels. Critical specimen information, including unique identifiers and 1D/2D barcodes, is displayed on your labels for each project. Label generating capabilities are integrated throughout the application, giving flexibility to your workflow and allowing you to decide when to print.

No Installation Needed

LDMS is a cloud-based application that does not require software installation or a dedicated server; simply log-in to your user account at webldms.org through your supported browser of choice. Once your LDMS license is live, our User Support team will set up your LDMS Laboratory Database and activate your users within 72 hours.

If you are a laboratory, repository, or clinical trial network, LDMS may be right for you. To learn more about LDMS, its features, and what it can do for you, visit www.ldms.org.