

Managing Your Empower Data with the NuGenesis Lab Management System: The Power of Two

Improving the availability of your CDS results

ARCHIVE YOUR CDS DATA AND INCREASE CONNECTIVITY

- Data management that adapts to your business practices
- The ability to find and retrieve archived data on demand
- Optimize system efficiency by placing records in appropriate storage media
- Free your Empower™ server from data that is seldom used

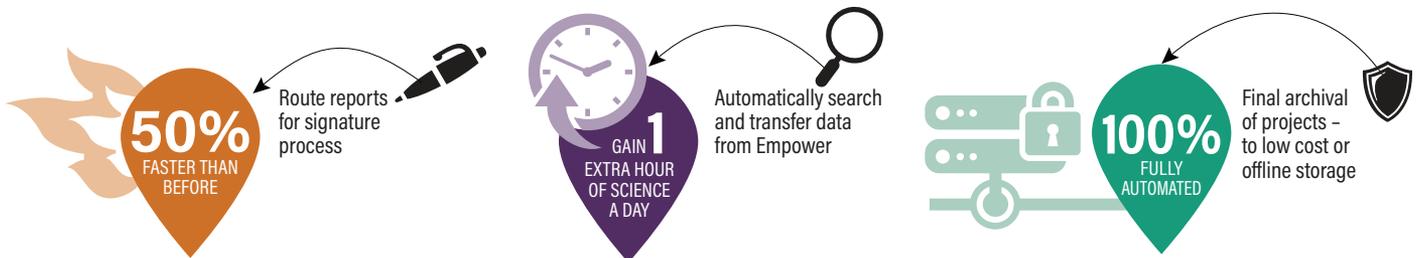
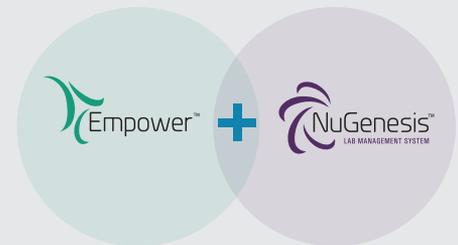
MAXIMIZE THE EMPOWER DATA IN YOUR ORGANIZATION

Today's advanced analytical systems generate a significant quantity of data files and create a new challenge for managing, sharing, storing, archiving, and retrieving results. The NuGenesis™ Lab Management System (LMS) addresses the specific data management challenges for Empower users, Quality Assurance and Compliance groups, as well as the IT and System Administration teams that support this chromatography data system (CDS) platform.

NuGenesis LMS is designed for networked, enterprise environments and offers enhanced data management capabilities for archiving chromatographic results and extending the availability of these results throughout your organization. It is specifically designed to improve the productivity of system administrators, data reviewers, and end users.

NUGENESIS LMS OFFERS:

- Automated project archiving capabilities to manage your data footprint
- Advanced archive logic to adapt to your business practices and manage the data lifecycle
- The ability to manage multiple Empower workstations' data from a central archive solution



ARCHIVAL TOOLS FOR SYSTEM ADMINISTRATORS

With the large amount of data generated by advanced analytical systems, disk space is becoming a premium commodity. Moving reviewed and approved results to lower-cost external storage media to free up disk space is a common approach to optimizing your investment in high-speed storage media within the Empower server.

How long the chromatographic data is required for analysis and/or re-analysis typically determines how long it should remain active on the Empower server: Does the scientist need to actively process or review results for days, months, or even years?

With NuGenesis Lab Management System's SDMS, you are able to simultaneously manage your data footprint and maximize server performance. NuGenesis LMS does this by automating the process of archiving inactive projects to a searchable archive.

ADVANCED ARCHIVE LOGIC

NuGenesis LMS advanced archive logic enables you to easily manage your Empower projects. The logic includes full traceability and enhanced system verification features. This true archive solution includes:

- Central administration of the project archive process for one or more Empower servers
- Automated scheduling of the project archive process based on predefined rules
- Automated archive verification prior to project deletion
- Long-term archival on external media
- Searching of archived Empower projects based on chemical structures or chromatograms

Fully configurable, NuGenesis LMS scales from a single lab to the global enterprise without major modifications to your existing IT infrastructure and provides the first step to a totally paperless lab.

RESTORING DATA FROM THE ARCHIVE

Searchability and difficulty restoring data are key reasons many system administrators and users alike have decided to leave the data active in Empower, but with little reference information, i.e., sample name, date acquired, or chemist name, you can quickly locate and restore projects archived with NuGenesis LMS.

During the archival process, NuGenesis LMS scans all Empower projects and data types. It automatically extracts key information from projects and samples, and then builds an indexed database catalog that can be searched quickly.



CENTRALIZED EMPOWER DATA WITH NUGENESIS LMS

NuGenesis LMS improves the ability to search for and access both data and reports through a centralized installation. Browse and search the information from a web based application. Re-use both report data and view live chromatograms before making the decision to restore projects to your servers.

EXTEND THE AVAILABILITY OF ELECTRONIC REPORTS

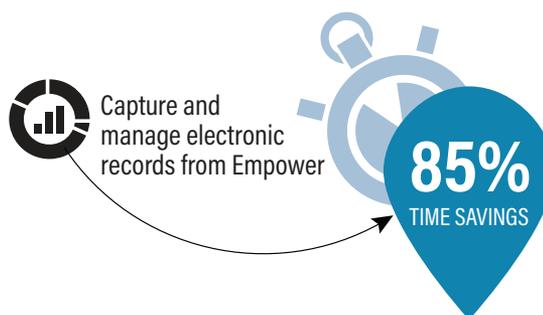
In addition to the sophisticated automated archive and retrieval capabilities available with NuGenesis LMS, it can also help improve the flow of information throughout your global scientific organization.

NuGenesis LMS utilizes Waters' patented Print Capture technology that allows any report to be accurately and automatically saved within minutes of its creation or change, consolidating and managing all content. Reports are captured automatically without changing the workflow, and are made available to authorized users according to the appropriate policies for your organization and IT infrastructure. Using the e-signature function, Empower automatically sends the report to NuGenesis LMS for scientific review by QA or management and facilitates electronic submissions to regulatory bodies. Additionally, electronic review and signatures of the whole data package can continue in NuGenesis LMS complete with e-signatures.

NuGenesis LMS provides scientists with the ability to search and view electronic reports years after the data or report was compiled, enabling them to leverage results at any point in time, no matter how old the data files may be, and compare them alongside data from other lab instruments such as NMR, GC, and MS.

Designed to balance the need for long-term record retention with the scientist's need for access to data, NuGenesis LMS enables organizations to automatically implement their data retention policies to minimize risk while at the same time implementing legal hold on essential records.

Once in the archive, printed records can be put to work by the organization. Data and information can be reused with zero manual transcription and, as a result, no errors, markedly reducing the regulatory risk.



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