THE LAB AND BUSINESS
HAVE NEVER BEEN MORE CONNECTED
ENABLING RESULTS TO
DRIVE BETTER BUSINESS
DECISIONS

Waters® NuGenesis® Lab Management System uniquely combines synergistic data, workflow and sample management capabilities to support the entire product lifecycle from discovery through manufacturing. This user-centric platform encompasses NuGenesis SDMS, a compliance-ready data repository, NuGenesis ELN, a flexible analytical electronic laboratory notebook, and NuGenesis Sample Management.
NuGenesis seamlessly links data from the lab to the business operations of the enterprise with functionality such as sample submission and results review, stability testing, scientific search, multi-vendor software connection, laboratory inventories, data retention and legal hold, and laboratory execution methods.

NuGenesis combines high impact functionality with a high degree of flexibility, readily adapting to your organizations’ existing Informatics environments – facilitate software integration and standardization without the complex, costly, and time consuming deployments often encountered with traditional information management solutions.

With tens of thousands of licenses sold around the world, NuGenesis is enabling leading pharmaceutical, chemical material, food and beverage, and environmental companies gain a deeper insight into scientific challenges, accelerate decision-making, and achieve better business results.
With NuGenesis Sample Management, scientists can capture and manage sample and result specifications, assign samples to individuals or groups for completion, and log in to determine what analyses are required.

**Sample Management**

**Key Features**
- Track, assign, and manage samples, tests, and results through their entire lifecycle
- NuGenesis SampleShare, an optional web client, allows you to electronically receive sample submissions from and send PDF reports back to labs that don’t have NuGenesis
- Manage sample specifications and product specifications with country specific criteria

**Key Benefits**
- Shorten time from sample submission to result review
- Automate out of specification result identification
- Reduce transcription errors
- Establish sample chain of custody to meet regulatory requirements
STABILITY

NuGenesis Stability allows you to enforce a consistent, standardized stability management workflow and regimen across all of your operations.

KEY FEATURES

- Define study matrices including time points, environmental conditions, and test regimes
- Study review
- Sample pull overview across all active studies that facilitates the management of stability groups workload
- Individual time point review
- Management and control of the stability inventory
- Suite of stability reports
- Extensive statistical results analysis

KEY BENEFITS

- Flexible multi-dimensional study design
- Ensure sample pulls are performed on time
- Easily predict inventory to complete your studies
- Compliant system reports
- Trace and view stability results to the original testing data
- Eliminate use of separate statistical packages
- Proven statistical reports for prediction of product life

NuGenesis Stability facilitates the entire stability workflow, enhancing analytical effectiveness and delivering productivity improvements at every step of the process.
NuGenesis SDMS
CENTRALIZED DATA REPOSITORY

The NuGenesis Scientific Data Management System (SDMS) automatically captures and catalogs diverse data generated by instruments, scientists, and outside sources into a centralized data repository.

**KEY FEATURES**
- Capture data from multiple instrument techniques and vendors
- Fast search and retrieval with automatic data capture and indexing of results
- Extract and repurpose electronic data into custom summary reports and automated calculations
- Capture live, re-usable content of reports in a compliance-ready, secure environment
- Interfaces with LIMS, ERP, and ELN solutions
- Tight integration with Waters’ Empower® and MassLynx® Software solutions
- E-record lifecycle management from data creation to retirement, including data retention and legal hold
- Integration with Paradigm™ Scientific Search Software

**KEY BENEFITS**
- Instant access to scientific results
- Superior interpretation of analytical information
- Supports regulatory compliance efforts and intellectual property management
- Compliance-ready, secured environment to manage an organization’s entire scientific data lifecycle
- Reduce time to process data and generate reports by up to 99%
- Reduce paper usage by up to 90%
- Fast and accurate text and science object-based searches in all Waters’ Informatics software (i.e., Empower, MassLynx)
NuGenesis ELN is an analytical electronic laboratory notebook that allows laboratories to document observations, control procedures, exchange information with other software solutions, and easily find and collaborate on scientific results.

**NuGenesis ELN**

**ANALYTICAL ELECTRONIC LABORATORY NOTEBOOK**

- Create predefined SOP templates
- Interfaces with balances, pH meters, CDS, LIMS, and the NuGenesis SDMS repository
- Use for free flow (R&D) and prescribed documentation (QC) workflows
- Track, assign, and manage samples, tests, and results
- Integrated instrument and consumable inventories
- Work with Microsoft® Excel and other MS Office applications in a compliance-ready environment
- A focal-point into laboratory databases; orchestrates other software solutions
- Automate routine calculations
- Drag-and-drop PDFs or Microsoft Office documents
- Certified to support the SAFE-BioPharma® digital identity and signature standard
- Enables bidirectional communication with ERP systems and is a certified interface to SAP-QM®
- Empower interface for data review, sample set, and result transfer

**KEY FEATURES**

- Transcription errors reduced by nearly 100%
- Data review times reduced by up to 75%
- More rapid final product release and delivery
- Ensure analysts use only valid/calibrated instruments and consumables
- Satisfy compliance requirements