

SAMPLE MANAGEMENT

IMPROVING LAB EFFICIENCY,
ACCELERATING BUSINESS DECISIONS



Waters

THE SCIENCE OF WHAT'S POSSIBLE.®

MANAGING SAMPLES SHOULD NEVER BE A BARRIER TO SUCCESS

The management of samples and sample analysis results is a task common to thousands of laboratories operating across diverse markets such as pharmaceutical, food and beverage, environmental, and chemical materials. With pressure intensifying on science-driven organizations to more rapidly commercialize quality, consistent products, these labs are continuously challenged with increasing analysis requests, faster turnaround times, and legacy paper based processes.

The NuGenesis® Lab Management System provides a suite of tools specifically designed to help analysts more effectively manage sample centric workflows. By uniquely combining sample submission and results review, stability testing and multi-vendor software connection capabilities, NuGenesis can help improve productivity for the lab and accelerate critical decision making for the business.

With the most innovative software solutions, barriers can become pathways to success.



NuGenesis SAMPLE MANAGEMENT

With NuGenesis Sample Management, scientists can submit samples from anywhere access to the internet is available. Users have the ability to capture and manage sample and result specifications, assign samples to individuals or groups for completion, and login to determine what sample analyses are required – you can manage a laboratory’s entire sample workload from a single interface.

NuGenesis Sample Management also manages the results from your analyses – identify out-of-specification (OOS) results, generate intermediate reports for review and approval, and create final PDF reports for the customer. Ideal for the corporate analytical service lab or a contract testing lab, NuGenesis Sample Management makes the complex manageable.

KEY FEATURES

- Track, assign, and manage samples, tests, and results through their entire lifecycle
- Manage sample specifications and product specifications with country specific acceptance criteria
- 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 – all within a secure environment

KEY BENEFITS

- Ensure faster sample turnaround by shortening time from sample submission to result review
- Automate out of specification result identification
- Improve the quality of sample records by minimizing data handling and reducing transcription errors
- Establish sample chain of custody to meet regulatory requirements
- Transfer sample data seamlessly to and from any external laboratory, business unit, or customer
- Accelerate startup with new laboratory customers and partners
- Provide more prompt and responsive service to non-NuGenesis users



NuGenesis SampleShare dashboard for monitoring progress of current samples and reviewing completed sample submissions.

NuGenesis STABILITY

NuGenesis Stability is a complete stability protocol management and testing solution integrated into your NuGenesis Lab Management System. Developed in accordance with the current GAMP and ICH guidelines, NuGenesis Stability is a fully-validated and tested software application that uses industry-recognized calculations. It also has the tools to allow you to operate in compliance with 21 CFR Part 11.

Enforce a consistent, standardized stability operations management workflow and regimen across all of your operations – from product to product, laboratory to laboratory, and country to country.

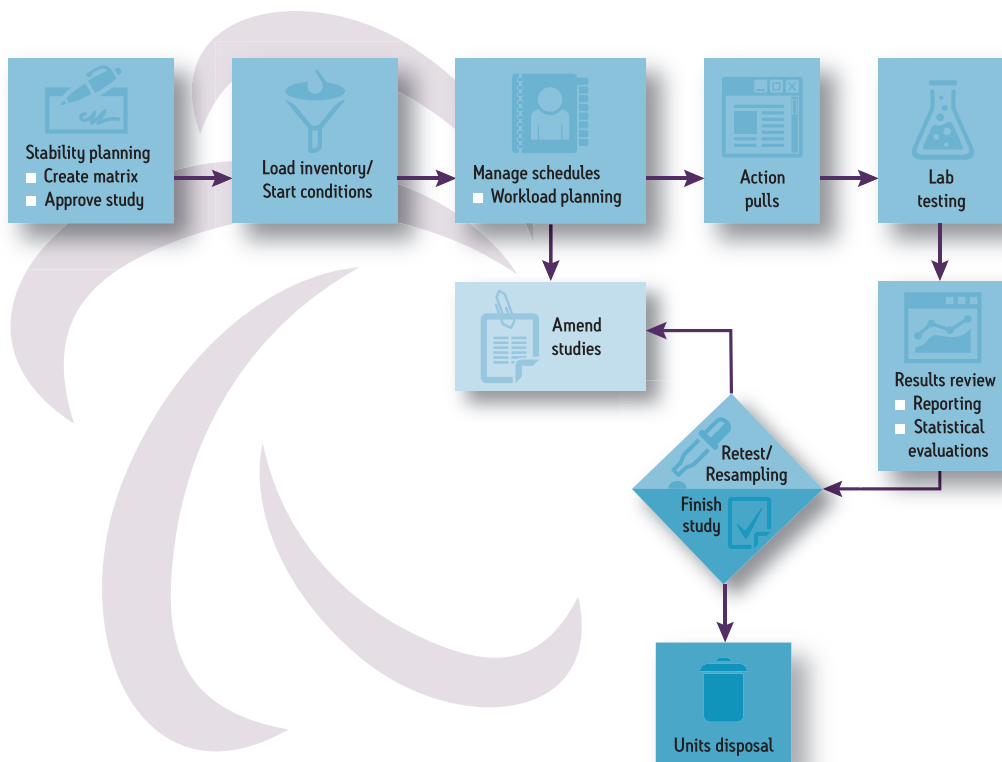
NuGenesis Stability facilitates the entire stability workflow, enhancing analytical effectiveness and delivering productivity improvements at every step of the process.

KEY FEATURES

- Define study matrixes 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 CONNECTORS

Laboratories supporting manufacturing and product release receive and process thousands of samples. The time required for sample submission and analysis can have significant economic impact for the science-based organization. Transferring sample results data often involves manual intervention by analysts, which may result in transcription errors. Mitigating these errors requires careful data review and verification – a time consuming endeavor that may delay product shipment, reduce shelf life and ultimately decrease profitability.

NuGenesis Connectors are configurable utilities that provide a direct link between the NuGenesis Lab Management System and business systems such as SAP. This link facilitates seamless communication of instructions and information including test requests, standard operating procedures (SOPs), product specifications, and test results.

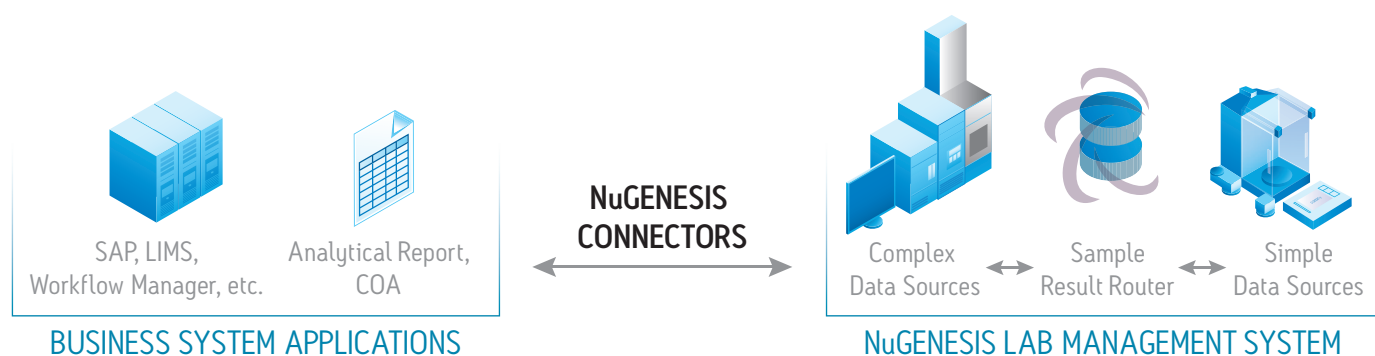
By enabling the NuGenesis Lab Management System to more readily bridge the documentation and workflow gap between the laboratory and business, NuGenesis Connectors facilitate timely access to sample results – supporting a more rapid and accurate decision-making process.

KEY FEATURES

- Provide connection to a variety of multi-vendor business system applications
- Connection with NuGenesis Lab Management System facilitates:
 - Creation of test requests and tests
 - Accepting sample information from business system allowing users to view test requests status
 - Ability to generate standard and customized analytical reports
 - Generate protocol relevant worksheets
 - Recording and transfer of results
 - Performs at-the-bench results verification, ensuring testing was done properly

KEY BENEFITS

- Reduction of paper processes and manual transcription
- Comprehensive documentation and data traceability
- Easier data sharing and collaboration
- Minimize waste and variability during quality testing
- Ability to generate standard and customized analytical reports
- Helps your scientists focus on science
- Faster release of in-spec products



NuGenesis Connectors provide a direct link between the NuGenesis Lab Management System and multi-vendor business system applications.

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