

How can I manage my lab more easily while increasing efficiency?



syngo Lab Data Manager

Your complete data management system

Answers for life.

SIEMENS

The data management challenge

In today's fast-paced clinical laboratories, you are continually challenged to increase efficiency, improve productivity, and do more with less. This is a difficult proposition when you must rely heavily on manual processes and need to continually juggle data from different, disconnected devices.

At the same time, your lab must work to improve quality, enhance services, and do more to meet the needs of clinicians who rely daily on the information gained from diagnostic testing. The clinicians you serve have high expectations: They want you to deliver accurate analytical results as quickly as possible.

To meet rising expectations, your laboratory needs extensible data management solutions that grow with your environment as you increase your testing volumes and expand your workload capacity. These are among the needs met by *syngo*[®] Lab Data Manager, a productivity system that takes data management to a new level of efficiency and performance.



“We needed an advanced data management system that would help our staff deliver high-quality laboratory results in less time. We found our ideal solution in Siemens *syngo* Lab Data Manager. We're very pleased with our *syngo* system.”

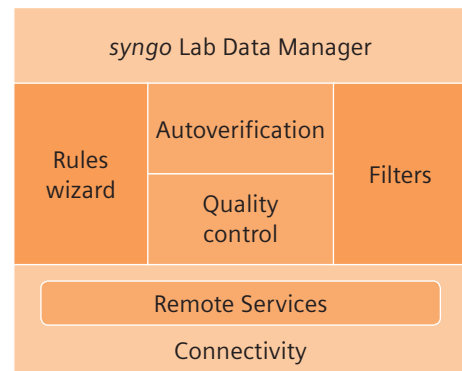
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Solving lab challenges with syngo Lab Data Manager

The new *syngo* Lab Data Manager is a robust, highly reliable data management system that is designed to grow with your laboratory while driving increased efficiencies across your environment. This single system assists your lab with a wide range of pre-analytic and post-analytic functions to accelerate turnaround times and improve the quality of the results you deliver.

syngo Lab Data Manager helps your organization move beyond the limited functionality and lack of integration of today's lab IT products. It is designed to work in conjunction with multiple instruments, the laboratory information system (LIS), and Siemens Healthcare Diagnostics remote services. It combines applications to bring you the best and latest technologies in device management, quality control (QC), and connectivity—technologies that drive better laboratory outcomes.



Powerful capabilities

syngo Lab Data Manager includes advanced capabilities for autoverification of lab results, QC, connectivity of lab instruments, LIS, automation, and remote services.

These capabilities help you improve staff productivity and the quality of the services you provide. For example:

- Autoverification allows your users to focus on only the results that really need to be checked.
- Advanced QC capabilities help your staff reduce errors and improve overall laboratory performance. The system stores and shows the controls from the instruments in your lab and applies Westgard and custom rules to flag questionable results.
- To help keep your system running at an optimal level, remote services are enabled between the Siemens Data Center and *syngo* Lab Data Manager.



Innovative features, powerful benefits

An architecture that simplifies connectivity

syngo Lab Data Manager simplifies connectivity with your hospital network. A single interface links the system to your LIS. Once this channel of communication is established, your lab essentially becomes Siemens-ready—meaning you can easily connect your data management system to a variety of Siemens analyzers, automation and IT capabilities. This integration enables intelligent usage of sample routing and instrument aliquots to improve turnaround time for results.

syngo Lab Data Manager provides secure connectivity between three different entities: your instruments' network, your hospital network, and the Siemens Data Center. The connection with your hospital network enables connectivity between *syngo* Lab Data Manager and your LIS as well as remote access from Siemens Data Center.

Through the use of Secure Sockets Layer (SSL) web-based technology, *syngo* Lab Data Manager securely connects to the Siemens remote services, providing remote monitoring, technical support, and system troubleshooting. It also allows Siemens to provide software and security updates to *syngo* Lab Data Manager, while giving your laboratorians online access to current product manuals and training tools.

Easy connectivity and high availability

syngo Lab Data Manager is a browser-based application. When the system is connected to the hospital network, any computer on the network can access *syngo* Lab Data Manager through an Internet browser. No special software is required on client computers. The system supports access for up to 25 concurrent users on networked PCs.

The system architecture of *syngo* Lab Data Manager is designed to deliver availability of 99.5 percent or greater. To help maintain this level of availability, the system's Standard Capacity Server, which supports up to four instrument connections, includes redundant system storage. The High Capacity Server, which supports up to 32 instrument connections, offers redundant system storage, power supply, and CPU features.

Flexible system configuration

syngo Lab Data Manager has powerful system configuration tools that can be used to write, maintain, and trace rules. The system is designed so the majority of the rules can be written through the built-in Rule Wizard feature. Your Siemens support provider can help you customize the rules packages to meet the needs of your lab.

Maintenance of rules is simplified through the use of rules packages, which function as a centralized library and repository of all the rules in the system. This feature provides a one-stop shop for maintenance of rules grouped by like functionality including QC, Reflex Testing, Re-runs, and Delta Checking. Rules packages can be easily enabled or disabled to evaluate and test rules.

To increase management control and accountability, *syngo* Lab Data Manager provides advanced audit trail capabilities. You can access this area of the software to trace any modifications to rules, the assay definition, QC comments, and more. The system tracks the names of users who add or modify rules, the dates of changes, and the old and new values for the rules.

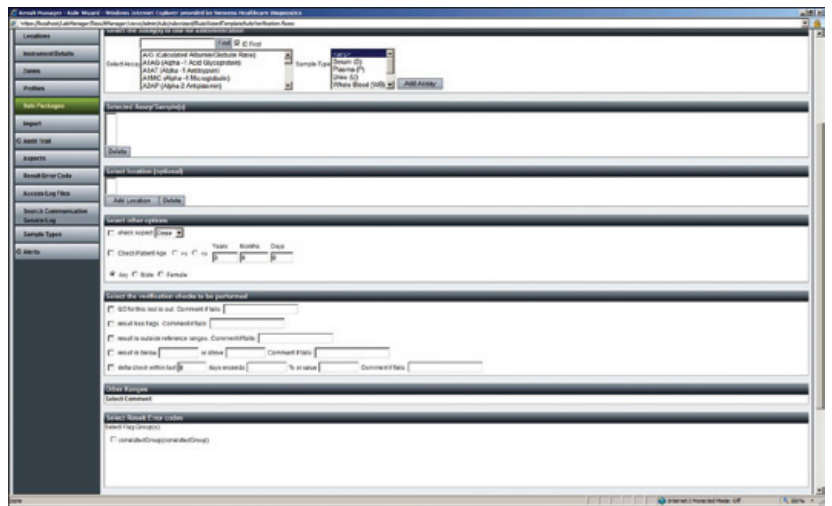


Robust result management

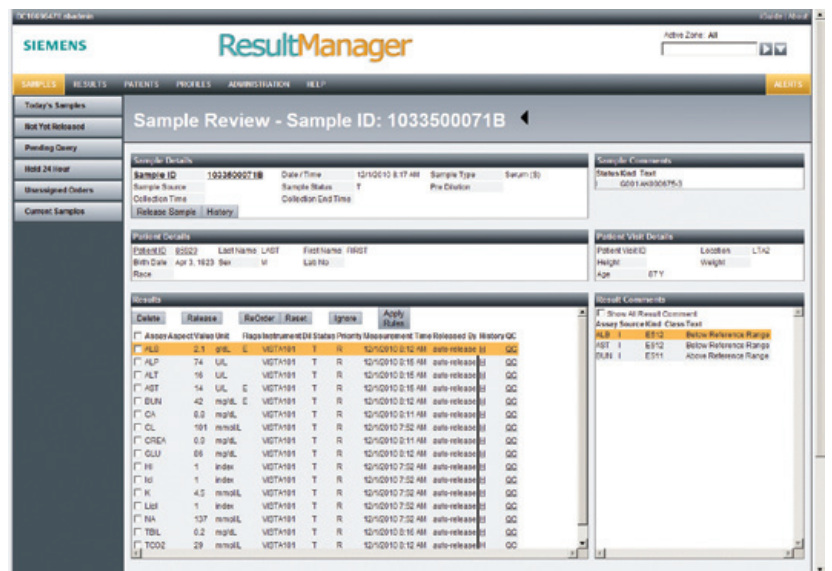
System users manage results through the built-in Result Manager feature, which captures all patient results. The Result Manager functions as a pool of patient data that users can access to find and take actions on specific results.

Result Manager is grouped into four sections: Patients, Samples, Results, and Profiles. Each of these sections can be sorted into subsections using customizable filters. For example, a user might create a filter in the Patients section to sort information based on ID, name, age, gender, or other elements.

syngo Lab Data Manager allows your users to easily compare results across instruments and view trending history of results across patient samples. It also allows users to transfer results electronically to reduce manual entry errors. Capabilities like these make it easy for your lab professionals to quickly find, review, and transfer information.



System configuration is simplified with wizard-driven rules-writing tools.



The Sample Review screen in Result Manager allows users to view and verify results.



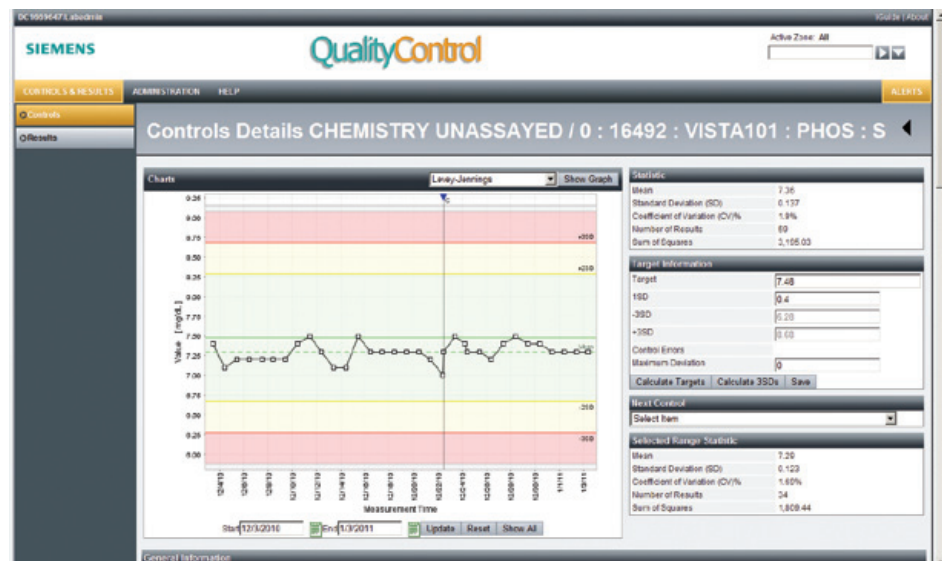
Enhanced Quality Control

To improve laboratory performance and healthcare outcomes, *syngo* Lab Data Manager includes an integrated Quality Control management module. This module provides real-time access to QC data from the instruments in your lab.

The module identifies potential errors in results automatically via the use of Westgard and customizable rules that detect abnormalities. Automated results verification allows your users to focus only on abnormal or critical results that require follow-up.

For easy monitoring, filters and QC alerts notify technicians of potentially inaccurate results coming from instruments. This capability enables proactive troubleshooting and enhances patient safety. In addition, autoverification capabilities reduce human error and the tech-to-tech variability that comes with subjective observations, and they simplify QC and compliance processes.

The integrated Quality Control module works in tandem with the Result Manager module of *syngo* Lab Data Manager. This deep integration allows your users to quickly review patient results and their respective QC data. A user simply selects two QC data points and with a quick click the system shows all the patient results that were run between those two points. This powerful capability brings to the user's attention all results that are potentially impacted by a QC failure, greatly reducing the time and effort required to identify patient results impacted by instrument QC problems. This helps your lab accelerate turnaround time and improve staff productivity.



The Quality Control module allows users to view single lots or multiple lots on one graph, as shown here.

The Siemens advantage

syngo Lab Data Manager is part of the comprehensive portfolio of proven diagnostics IT products from Siemens Healthcare Diagnostics. This portfolio includes laboratory information systems, productivity systems, remote monitoring systems, decision support systems, and e-commerce solutions.

When you take advantage of Siemens Healthcare Diagnostics, you gain the benefit of:

Customer-focused innovation

We work closely with lab professionals, clinicians, and hospital administrators to develop products that are transforming diagnostics. This collaborative work yields innovative solutions that help your organization overcome key laboratory challenges and achieve better outcomes.

Laboratory expertise

Our expertise and instrumentation spans the laboratory. You can look to Siemens for a broad spectrum of immunoassay, chemistry, hematology, molecular, urinalysis, and blood gas testing systems, in conjunction with automation, information, and consulting solutions.

IT expertise

Siemens has a successful track record in the development and implementation of proven IT solutions for healthcare diagnostics. We offer complete solutions for workflow-focused IT with a single point of contact for deployment and support.

Greater control

Our IT solutions are designed to give you greater control over your laboratory workflow and processes. We help you develop a holistic view of data acquisition and information delivery.

Enhanced patient care

Ultimately, our solutions for healthcare diagnostics enable your efforts to provide the clinicians you serve with accurate, actionable diagnostic information in less time—one of the keys to better patient care.

For more information

To learn more about *syngo* Lab Data Manager, contact your Siemens Healthcare Diagnostics representative or visit www.siemens.com/diagnostics-IT

“Siemens delivers the whole package—a robust data management system backed by responsive service and support. From the system installation onward, the support has been terrific.”

Eeva-Liisa Paattiniemi, PhD, Clinical Biochemist
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Lahti, Finland



Siemens Healthcare Diagnostics, a global leader in clinical diagnostics, provides healthcare professionals in hospital, reference, and physician office laboratories and point-of-care settings with the vital information required to accurately diagnose, treat, and monitor patients. Our innovative portfolio of performance-driven solutions and personalized customer care combine to streamline workflow, enhance operational efficiency, and support improved patient outcomes.

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Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

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