

Sysmex CN-3000 and CN-6000 Systems

Giants on the inside

Where size, speed,
intelligence, and flexibility
combine to accelerate
hemostasis workflows

siemens-healthineers.com/sysmex-cn-systems



Small-sized solutions to offset big lab challenges



The high-volume Sysmex CN-6000 System and mid-volume Sysmex CN-3000 Systems are both available with the optional sample handler shown above on the left.

Lab managers are under more pressure than ever. They need to deliver accurate results on time, but they're feeling the strain of rising demand for hemostasis testing and a shrinking pool of qualified staff.^{1,2} Many labs are consolidating, driving a need for compatibility and correlation of workflows, consumables, and results. And almost all labs are operating amid ever-tighter budget constraints.

The Sysmex® CN-3000 and CN-6000 Systems* were developed with the smart workflow features and compact size needed to help labs alleviate these pressures. Featuring a wide spectrum of testing methodologies—including clotting, chromogenic, immunoassay, and aggregation—these flexible systems enable testing consolidation in both mid- and high-volume labs.

1. Increasing workforce productivity in the diagnostic laboratory. 2018. Siemens Healthineers.

2. CLMA. The laboratory personnel shortage.

*Not available for sale in the U.S. The products/features mentioned here are not commercially available in all countries. Their future availability cannot be guaranteed.

Sysmex CN-3000 and CN-6000 Systems* at a glance



Smaller

The smallest footprint available[†] in the hemostasis market.



Smarter

Intelligent workflow features and artificial intelligence (AI) unite for our smartest[§] hemostasis analyzers yet.



Faster

450 PT tests per hour, the fastest[‡] throughput in the industry.



More flexible

Mid- and high-volume throughput options and a variety of automation choices.

The Sysmex CN Systems* leverage optical testing methodology with intelligent technologies to automate and standardize sample management for reliable results, reduced repeat testing, and reagent waste.

- Simultaneous multiwavelength analysis detects and manages unsuitable samples to reduce retests and reflex testing.
- Advanced assay-based preanalytical capabilities using proven PSI™ technology reduces repeat testing and helps deliver timely results.
- Gain-switching technology enables reliable testing and reporting of samples with HIL interferences, even highly lipemic samples.

A common user interface and multiple automation configuration options enable standardization of operations across your lab or network. Integration with Atellica® Diagnostics IT enhances workflows with robust process and data management tools to standardize testing, reagent management, and results reporting across sites.

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†As of April 2021. Footprint compared to competitor systems in the same volume class as listed on <https://www.captodayonline.com/>.

‡As of April 2021. Sysmex CN-6000 System throughput: 400 PT/APTT; Sysmex CN-3000 System throughput: 215 PT/APTT. Throughput evaluated against systems in the same volume class as listed on <https://www.captodayonline.com/>.

§As of April 2021.

Giant-sized performance in the industry's smallest footprint†



Extend your lab's productivity per square meter

At just 720 (W) x 906 (D) x 1350 (H) mm, the Sysmex CN-3000 and CN-6000 Systems* can easily fit in existing lab setups and can free up space for lab expansion.

The Sysmex CN Systems* help labs drive efficient hemostasis testing with up to 13 hours of walkaway time. Large reagent and consumable capacity reduces staff intervention for a truly efficient operation.

- Reagent capacity of up to 3000 tests, with an onboard capacity of up to 38 reagents and six additional buffer positions, helps to extend walkaway time.
- Long onboard reagent stability of up to 124 hours** and anti-evaporation reagent caps help to increase efficiency of reagent use.
- Automatic QC and calibration with onboard refrigerated reagent storage at 10°C support extended walkaway time.
- 2D bar-code reader for reagents and consumables simplifies tracing and quality control.
- Flexible vial-type management, tilted vial sampling, and SLD mini cups decrease reagent waste



High-volume

122 x 81 cm
Stago STA R Max

151 x 76 cm
Instrumentation
Laboratory
ACL TOP 750

174 x 93 cm
Roche COBAS
T 711

Mid-volume

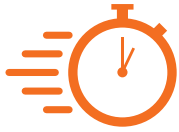
97 x 73 cm
Stago STA
Compact Max

110 x 81 cm
Instrumentation
Laboratory
ACL TOP 550

128 x 93 cm
Roche COBAS
T 511

72 x 91 cm
Sysmex CN-3000 and
CN-6000 main unit,
including computer

Competitive system dimensions exclude computers, monitors, and computer carts. Sysmex CN System dimensions do not include monitor.†

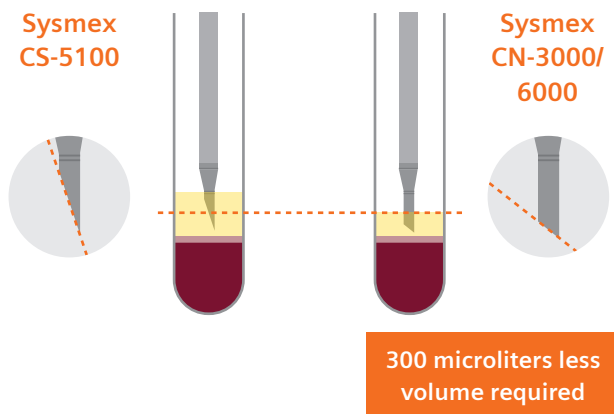


Expand your testing capacity with the industry's leading throughput[‡]

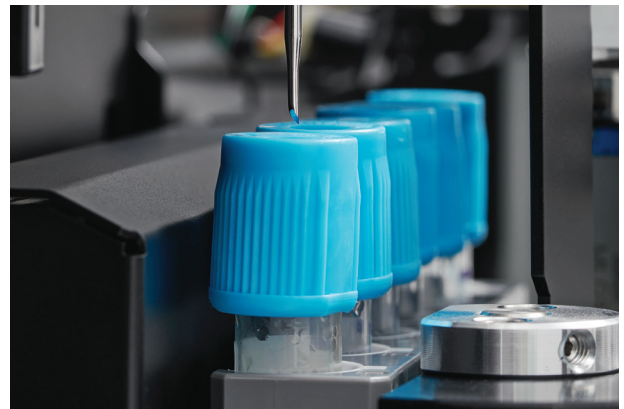
Though they have a small footprint, the Sysmex CN-3000 and CN-6000 Systems* don't compromise on performance. Continuous sample and consumables loading supports rapid throughput and delivers the fastest throughput[‡] available on any hemostasis system in the market today.

Intelligent technologies for fast, dependable results

Smart sampling technologies use secure aliquot technology to enable multiple tests per sample and avoid debris from the cap-piercer for rapid, reliable results. Sophisticated cap-piercing technology reduces dead volume and streamlines workflow, especially for pediatric samples.



Throughput comparison per hour		
	Sysmex CN-3000 System	Sysmex CN-6000 System
PT	225	450
APTT	217	450
PT/APTT	215	400



- Loading capacity is >120 samples, and system can simultaneously process up to 64 samples.
- Multi-dilution analysis (MDA) detects inhibitors during factor assay analysis and sample identification.
- Flexible loading of primary and pediatric tubes on the same sample rack increases productivity.
- Automated repeat, redilution, and reflex testing reduce hands-on time and provide confidence in results.
- Long-lasting cap piercer processes up to 120,000 samples before a replacement is needed.

[‡]As of April 2021. Footprint compared to competitor systems in the same volume class as listed on <https://www.captodayonline.com/>.

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**Test thrombin.

[‡]As of April 2021. Sysmex CN-6000 System throughput: 400 PT/APTT; Sysmex CN-3000 System throughput: 215 PT/APTT. Throughput evaluated against systems in the same volume class as listed on <https://www.captodayonline.com/>.

Sysmex CN-3000 and CN-6000 Systems: Gigantic performance and flexible options*



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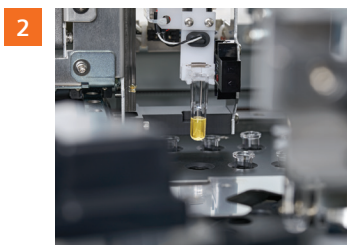
##The products/features are not commercially available in all countries. Due to regulatory reasons, their future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details. In the U.S., platelet aggregation testing is for research use only, not for use in diagnostic procedures.

§§Research use only.



Small footprint with rapid throughput enhances productivity per square meter

- Smallest hemostasis testing system available.[†]
- Fast throughput of up to 450 PT tests/hour.^{††}
- Simultaneous sample loading from both track and front of system for flexible testing options and enhanced STAT management.
- Optional sampler increases capacity.



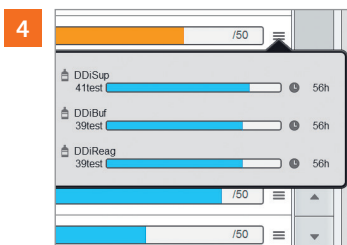
Advanced preanalytical sample quality (PSI) checks and smart sample management provide confidence in results

- System detects and manages unsuitable samples to reduce retests and reflex testing.
- Optical methodology displays clot formation for evaluation of fragile clots.
- Smart PSI technology detects and uses common aliquot to avoid sample waste.
- Gain-switching technology enables precise testing and reporting of samples that have high levels of interferences, e.g., highly lipemic samples.



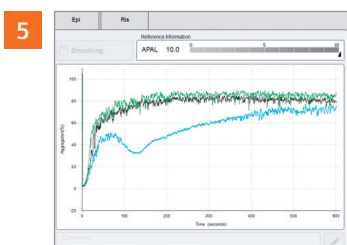
Sophisticated operating system detects potential issues before they become problems and guides troubleshooting

- System detects impending issues and provides the operator with guidance on corrective actions.
- Intelligent sample flag management and guidance help technicians quickly identify and resolve issues.
- Advanced audit trail enhances traceability, including consumables and error traceability.



Smart workflow features help staff plan daily requirements and reduce interruptions

- System provides algorithmic calculation of number of tests onboard and scheduled per day for smarter workflow and fewer interruptions.
- Reagents and consumables home screen consolidates daily workload information into one easy-to-understand and actionable dashboard.
- Smart LED light source has a lifespan of up to 5 years for continuous and uninterrupted multiwavelength scanning.



Platelet aggregation testing^{††} supports advanced patient assessments

- Integrated platelet aggregation testing^{††} simplifies and automates assessment of platelet disorders.
- Clot waveform analysis (CWA)^{§§} illustrates optical reaction profile during PT or APTT measurement and provides qualitative, sensitive waveform patterns.
- Automated mixing studies using multidilution analysis (MDA) provide data and guidance to clinicians regarding factor deficiencies and circulating inhibitor patterns.



Streamlined security, maintenance, and user access enable operational efficiency

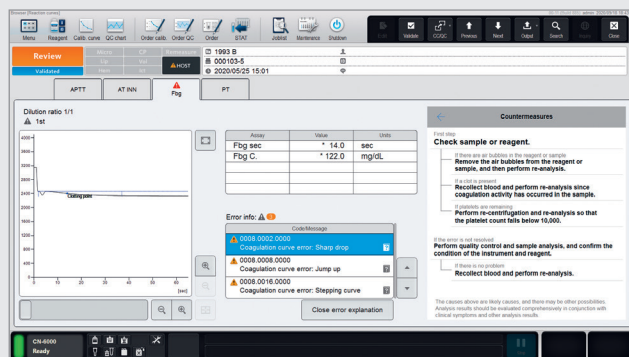
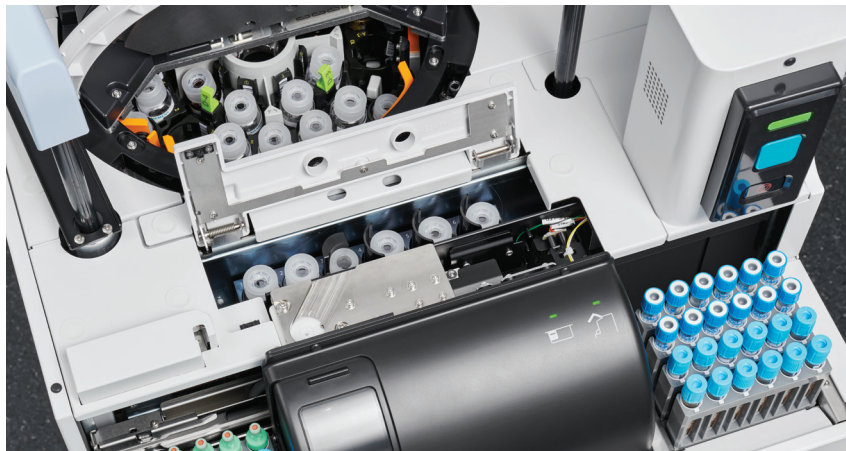
- Automated system startup and backup simplify routine tasks.
- Contactless smart card log-on simplifies workflow and shift changes.
- Automatic screen lock and user-defined access levels help to ensure result integrity and reduce the risk of user errors.
- Simple daily maintenance procedures (less than 5 minutes per day with ready-to-use cleaning solution) streamline workflow and extend uptime.

Our smartest hemostasis analyzers yet[§]



Streamline workflow and reduce repeat tests with intelligent technologies

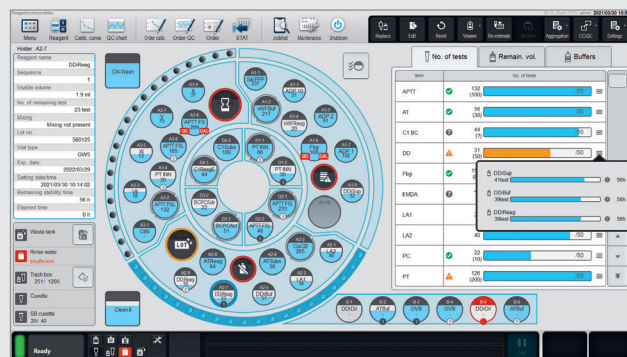
AI-driven predictive analytics guide error handling, improve reagent management, and calculate requirements for the day's testing.



Smart error detection and guidance

Smart technologies helps to identify origin of errors, guide resolution, and create a log of actions taken.

- Intelligent sample flag management and guidance to quickly pinpoint and resolve sample or analyzer issues.
- Detects impending issues and provides guidance to avoid sudden system failure.



Smart, predictive reagent calculations

The systems use AI to predict the daily volume and types of tests needed based on historical data.

- Automatically calculates the day's likely testing requirements.
- Alerts the operator when reagents need to be loaded.

Smart reagent and consumable management

Reagents and consumables home screen consolidates workload information into one actionable dashboard.

- Provides quick and easy access to reagent table information, including calibration data.
- Gives an at-a-glance overview of consumable levels, including flags where operational intervention is needed.

[§]As of April 2021.

Amplify the intelligence with Atellica Diagnostics IT



Leverage data-driven innovation to simplify workflows

Connect the Sysmex CN Systems* with Atellica Diagnostics IT to enhance visibility, automate processes, and centralize management across instruments, automation, sites, and networks.



Atellica Process Manager helps you do more than control processes—it enables you to uncover inefficiencies and optimize clinical operations to save time and money.

- Standardize and optimize operations through built-in analytics and business intelligence capabilities.
- Identify and resolve pre-analytic, analytic, and post-analytic problems with advanced performance metrics.
- Increase workforce productivity with centralized oversight to control all systems*** and view reagent levels and testing exceptions from one screen.
- Deliver transparent and predictable turnaround times through the implementation of rules and at-risk sample alerts.



Atellica Data Manager provides powerful, easy-to-use rules writing, a comprehensive QC package, and the flexible connectivity needed to drive better operational and clinical outcomes.

- Increase workforce productivity by enhancing visibility, automating processes, autoverifying results, and centralizing management across instruments, automation, sites, and networks.
- Reduce errors and unwarranted variations by standardizing result testing protocols and QC management.
- Optimize clinical operations by improving efficiency and predictability, reducing costs, and sharpening your clinical focus on exceptions.

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***Instruments require virtual network computing (VNC) or Remote Desktop capability. Not available on all systems.

The flexibility today's labs need

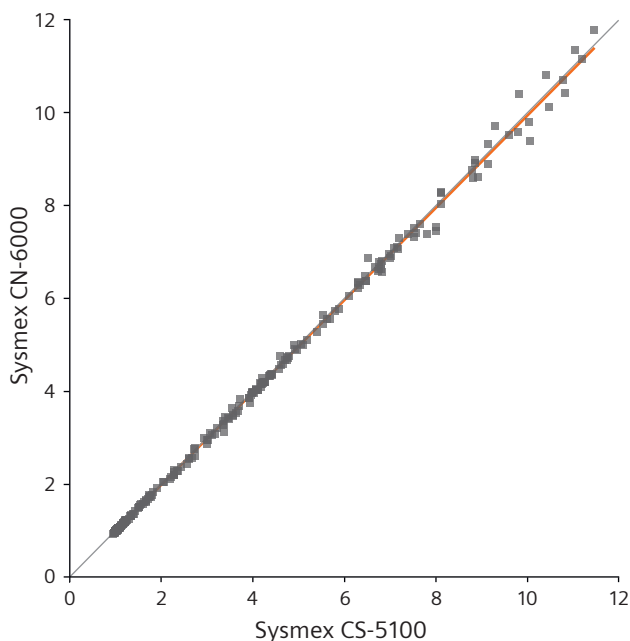


Scalability and standardization for high-performance hemostasis testing in various testing environments

The Sysmex CN-3000 and CN-6000 Systems* are compatible with a variety of configurations to automate high volumes of hemostasis testing. Adding an optional sampler can further increase the systems' capacity. You can even integrate one or more of these hemostasis analyzers with your existing Aptio® Automation system for high performance in a multidisciplinary, automated lab setting.

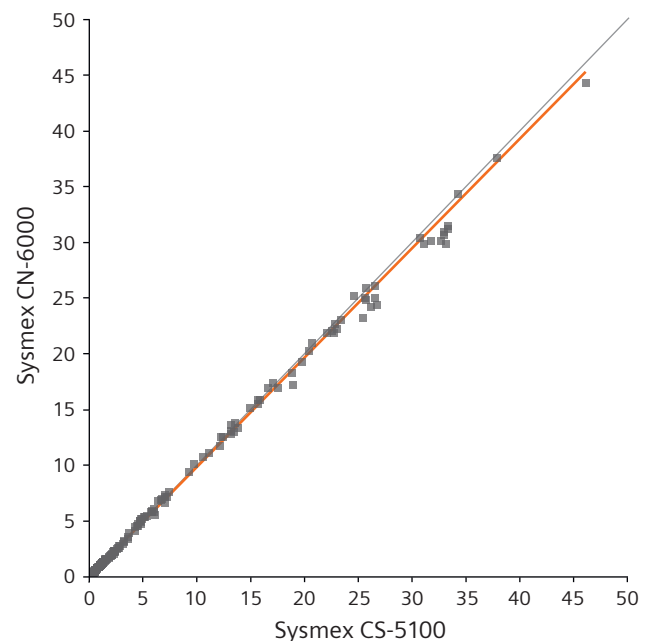
- Mid-volume instrument connectivity to lab automation system (LAS) means more options for right-sizing your hemostasis workflow.
- Single-discipline and multi-disciplinary automation is supported by Aptio Automation, FlexLab™ Automation, and other third party solutions.
- Point-in-space sampling enables rapid throughput.

Excellent result correlation across Sysmex CN and CS Systems



Method Comparison				
Predicate Device	Unit	n	Regression Equation	r
Dade® Innovin® Reagent on CS-5100	INR	264	$y = 0.99x + 0.00$	1.000

r: correlation coefficient



Method Comparison				
Predicate Device	Unit	n	Regression Equation	r
INNOVANCE® D-Dimer Reagent on CS-5100	mg/L FEU	179	$y = 0.98x + 0.00$	0.999

r: correlation coefficient

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Standardize testing across your lab network

- Save time and money with standardized reagent and consumable ordering and packaging for all hemostasis workflows.
- Standardized interface and operating system reduce the need for retraining and increase staffing flexibility.
- Excellent result correlation across Sysmex CN,* CS, and CA Systems provides standardized results across sites.

Contact your Siemens Healthineers representative to learn more about how you can elevate your laboratory workflow and enhance productivity with the Sysmex CN-3000 and CN-6000 Systems.*



At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey toward expanding precision medicine, transforming care delivery, and improving patient experience, all made possible by digitalizing healthcare.

An estimated 5 million patients globally benefit every day from our innovative technologies and services in the areas of diagnostic and therapeutic imaging, laboratory diagnostics, and molecular medicine, as well as digital health and enterprise services.

We are a leading medical technology company with over 120 years of experience and 18,000 patents globally. Through the dedication of more than 50,000 colleagues in 75 countries, we will continue to innovate and shape the future of healthcare.

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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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