



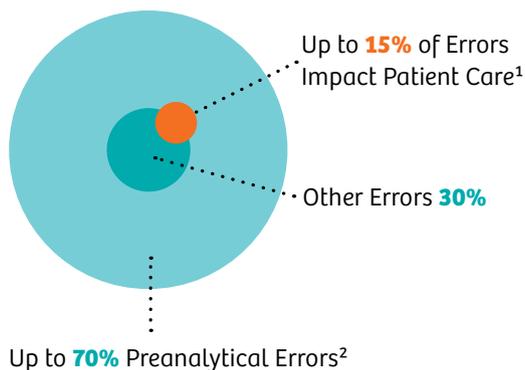
Advanced with
Confidence

Sysmex CS-2500 Hemostasis System



Advance with Confidence: introducing the Sysmex CS-2500 System

Diagnostic Errors in the Lab



Ensure high-quality first-run results and maximize your lab's efficiency with the compact yet powerful Sysmex® CS-2500 Hemostasis System, which uses innovative, smart-design PSI™ technology. With a proven record of providing hemostasis solutions, Siemens Healthineers can help busy labs automate processes for increased productivity and fewer errors.

Up to 70% of mistakes in the lab can be attributed to preanalytical errors and unsuitable samples². Approximately 15% of all diagnostic errors have a significant impact on patient care¹. These errors can be costly to your lab and to the physicians and patients who need accurate results.

Protect your lab and your patients

Take your hemostasis testing to the next level with the Sysmex CS-2500 System. Designed to reduce costs and maximize operating efficiency, the Sysmex CS-2500 System delivers:

- Confidence, provided by simultaneous multiwavelength PSI technology designed to minimize the effects of preanalytical errors, leading to more accurate patient results.



It is estimated that up to **15%** of diagnostic errors have an impact on patient care. Many of these errors are due to the inappropriate collection, handling, or processing of samples referred for testing¹.

- True lab-to-lab consistency, which allows seamless integration with the entire Siemens Healthineers family of hemostasis systems, giving you the ability to report consistent patient results wherever the sample is run.
- High-capacity performance and extended walkaway time, freeing up valuable tech time and increasing operating efficiency.
- Uninterrupted workflow, with low maintenance time, flexible reagent management, consolidation of onboard test methodologies, and reduced waste.
- Operational efficiency, with simultaneous multiwavelength technology that supports random access to four measurement principles, in-depth audit capabilities enabled by sample result traceability, and wide-spectrum analysis methods such as redilution analysis, automatic reanalysis, and reflex tests.

Automate and standardize sample management for accurate, consistent results with proven PSI technology

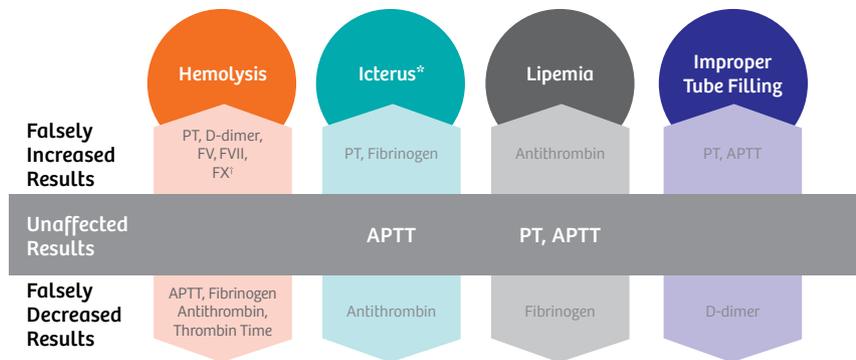
You can achieve improved first-run accuracy in a mid-volume Lab with the Sysmex CS-2500 System. The system identifies and automatically manages potentially problematic test samples prior to analysis. With it, you can benefit from:

- Simultaneous multiwavelength scanning of clotting reactions at 340, 405, 575, 660, and 800 nm, which helps to reduce the effects of interfering substances by automatically selecting optimal wavelengths.
- Ten flexible reaction detectors that enable high-capacity performance for a variety of test profiles to maximize lab productivity.
- Primary-tube sample-volume checks and double-aspiration clog detection, which provide accurate and reliable results on the first run.

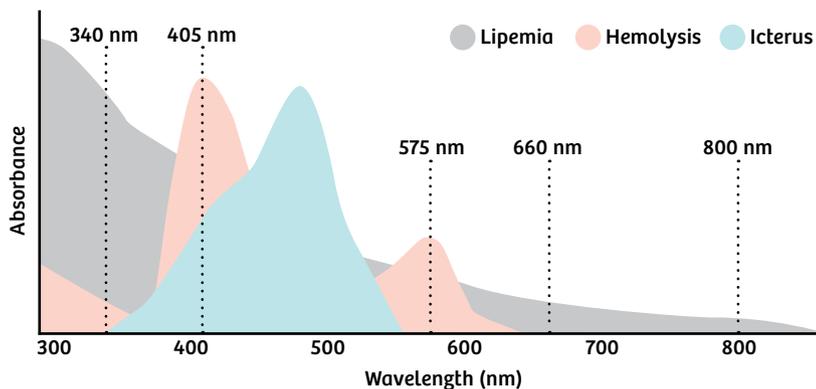


The level of hemolysis causing clinically important changes is test specific; therefore, test-specific thresholds should be used to assess patient samples that have hemolyzed during collection and/or processing³.

Preanalytical interferences associated with diagnostic errors in hemostasis^{1,4}



Accurate test results from simultaneous multiwavelength scanning



**The features (mentioned herein) are not commercially available in the U.S. Due to regulatory reasons their future availability cannot be guaranteed.*

Advance confidently with the Sysmex CS-2500 Hemostasis System



Potentially problematic test samples identified and automatically managed prior to analysis

- Preanalytical sample-quality checks using PSI technology for primary-tube sample-volume checks and double-aspiration clog detection provide accurate and reliable results.
- Simultaneous multiwavelength analytical scanning detects and manages unsuitable samples.
- Ten flexible reaction detectors enable high-capacity performance for a variety of test profiles.



Unlimited potential for high-capacity performance and extended walkaway time

- Reagent capacity of up to 3,000 tests,[‡] with onboard capacity of up to 40 reagents and five additional buffer positions.
- Approximately 180 simultaneous PT/APTT tests/hour[§].
- Anti-evaporation caps and reagent table refrigerated at approximately 10°C for maximized onboard reagent stability.
- Tilted vials and SLD mini cups for reduced reagent dead volume and maximized tests per vial.



Uninterrupted workflow delivered in a compact, affordable footprint

- Cap-piercing technology can support mix of capped and uncapped tubes and cups.
- Simultaneous processing of primary samples and micro mode for precious samples.
- Accessible reagent table provides continuous loading of reagents, consumables, and samples.
- Automated QC checks are performed at user-defined intervals, and daily maintenance requires less than 5 minutes**.





Simple, automatic maintenance and QC

- Perform daily maintenance in less than 5 minutes and record at the touch of a button.
- Customize maintenance tasks, record actions and comments, and export files for laboratory inspections.
- Set automatic QC by time, new bottle, and reagent.

Daily Maintenance	
Rinse Probe	Daily 1 2
Discard used cuvettes	
Dispose of waste	
Check and discard trap chamber fluid	
Shutdown	1 2
Weekly	
Clean the instrument	
Rinse the Rinse Tank	
Replace Trash Box Liner	
Monthly	
Clean the filter	Hist
As-Needed Maintenance-Replacement of Supplies	
Check Item	
Air pressure adjustment	
Prins	2015/
Remove jammed cuvette	
Wipe off pieces	
Lamp replacement and calibration	
Replace the fuses of the Pneumatic Unit	
Piercer	
Sample Syringe	
Reagent Syringe	
Waste Tube (CF)	
User Defined Maintenance 1	
User Defined Maintenance 2	
User Defined Maintenance 3	

Improve operational efficiency with a wide spectrum of assay parameters, testing methodologies, and sophisticated software

- Optical methodology displays clot formation for evaluation of fragile clots.
- Automated repeat, redilution, and reflex testing are consolidated on one platform.
- 24-inch touchscreen and Windows 7-based software provide an easily customizable, user-friendly interface with onboard help screens to guide operators when necessary.
- High test throughput using four measurement principles along with traceability of sample results and audit trails.



Seamless integration across multisite labs

- Results correlate with the entire Sysmex CA and CS family of hemostasis systems.
- Seamless integration of instruments, PSI technology, and assay reference ranges optimizes use across multisite labs.
- Standardized software, reagents, controls, and calibrators improve convenience, offer cost savings, and reduce waste for more efficient utilization of labor.



[‡]Test capacities: PT—3000; APTT—2880; PT/APTT—2880; PT/APTT/Fbg—2840; PT/APTT/ATIII—2436; PT/APTT/ATIII/DD—1890.

[§]Throughput values were determined by the time to first result; processing capability varies depending on the reagent used. Stated throughput value was determined using Siemens' study protocol with PT (Thromborel® S reagent) and APTT (Pathromtin® SL reagent) test applications.

^{**}Based on internal validation data from Sysmex Corporation.

Fully traceable results support comprehensive reporting



In today's heavily regulated environment, labs must be more vigilant than ever, not only to provide accurate results, but also to record what has happened and ensure traceability for certification.

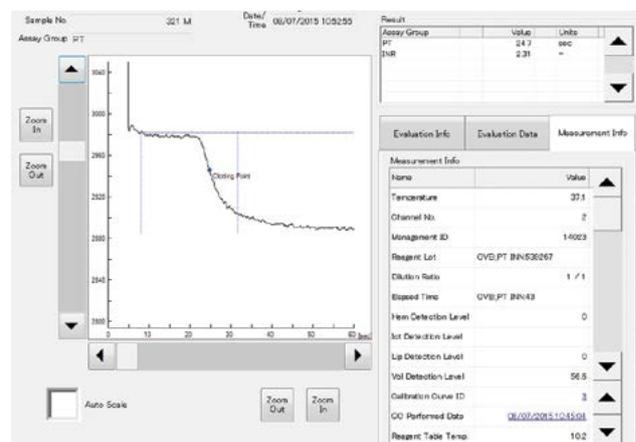
The Sysmex CS-2500 System tracks a range of different variables for each result. These include:

- Operator ID
- Time and date stamps
- Reagent lot information
- Reagent elapsed time onboard
- Test reaction position
- Testing and reagent table temperatures
- Test protocol number
- Dilution ratio
- Calibration curve and measurement-result information
- Operation and error logs
- Maintenance and QC history
- Automatic backup
- Data storage

Tracking data is accessed through the system's user interface, with detailed sample traceability and easy-to-use audit trails for up to 60 results per sample and up to 10,000 samples.

This allows labs and authorities to track and control quality issues, helping to ensure greater security and giving confidence and peace of mind to labs, regulators, clinicians, and patients.

No.	Date	Time	User	Operation	Comment	Commented On	Commented By
183	2015/10/30	14:15:33	SYSTEM	Validate Sample	Result check ok	2015/11/04 11:54:43	system
184	2015/10/30	14:14:40	SYSTEM	Validate Sample	Result check ok	2015/11/04 11:55:00	system
185	2015/10/30	14:13:50	SYSTEM	Validate Sample	Result check ok	2015/11/04 11:55:00	system
186	2015/10/30	14:12:18	NSGO	Logon	Operator:reiger Heiber	2015/11/04 11:55:03	NSGO
187	2015/10/30	14:10:12	admin	Logon	Operator:Anika Heiber	2015/11/04 12:05:30	admin
188	2015/10/30	14:09:40	NSGO	Logon	Operator:reiger Heiber	2015/11/04 11:58:30	NSGO
189	2015/10/30	14:08:18	SYSTEM	Validate Sample	Result check ok	2015/11/04 11:55:21	system
190	2015/10/30	14:05:54	system	Logon	Operator:Franc Oberbach	2015/11/04 12:02:41	system
191	2015/10/30	14:05:38	SYSTEM	Validate Sample	Result check ok	2015/11/04 11:55:33	system
192	2015/10/30	14:04:39	SYSTEM	Validate Sample	Result check ok	2015/11/04 11:55:37	system
193	2015/10/30	13:52:35	NSGO	Logon	Operator:Ruth Spahn	2015/11/04 11:55:52	NSGO
194	2015/10/30	13:52:18	system	Change QC Target/Limit	Manual input of 150	2015/11/04 11:58:33	system
195	2015/10/30	13:51:23	system	Change QC Target/Limit	Manual input of 150	2015/11/04 11:56:37	system
196	2015/10/30	13:51:06	system	Change QC Target/Limit	Manual input of 150	2015/11/04 11:56:42	system
197	2015/10/30	13:50:05	system	Logon	Operator:Franc Oberbach	2015/11/04 12:02:48	system
198	2015/10/30	13:44:34	NSGO	Change/Add Reagent	Add PT reagent	2015/11/04 11:59:17	NSGO
199	2015/10/30	13:44:30	NSGO	Change/Add Reagent	Add APTT FSL	2015/11/04 11:59:36	NSGO
200	2015/10/30	13:44:29	NSGO	Change/Add Reagent	Add Dade Thrombin	2015/11/04 12:00:13	NSGO
201	2015/10/30	13:44:27	NSGO	Change/Add Reagent	Add CaCl2	2015/11/04 12:00:26	NSGO



Advance with true lab-to-lab consistency for confident multisite patient monitoring



The Sysmex CS-2500 System for mid-volume labs is part of a family of analyzers that comprises high-, medium-, and low-volume systems.

Thoughtfully designed, each system uses the same reagents, controls, calibrators, and assay and reference ranges, which streamlines purchasing and helps multisite labs reduce waste. This consistency extends to user software, which helps streamline training among multisite users.

The Sysmex CS family of systems enables labs to select the most appropriate solution while easily standardizing hemostasis testing across multiple facilities. Simultaneous multiwavelength analysis and proven PSI technologies minimize repeat testing and manual reviews.

The Sysmex CS family of products is innovative and technology driven to support testing accuracy and the delivery of quality services to patients. A convenient single point of contact for ordering and service coordination provides faster response times and increased uptime.



Sysmex CA-600 System

Compact, fully automated coagulation analyzers offering a variety of configurations for clotting, chromogenic, and immunologic methods.



Sysmex CS-2500 System

Mid-volume, fully automated solution featuring PSI technology, automated mixing studies, automated platelet aggregation,^{*††} and clot waveform analysis^{‡‡}.



Sysmex CS-5100 System

High-volume, fully automated solution featuring PSI technology, full automation connectivity, and third-generation cap-piercing technology.

^{*}The features (mentioned herein) are not commercially available in the U.S. Due to regulatory reasons, their future availability cannot be guaranteed.

^{††}Sysmex CE-marked application.

^{‡‡}Research use only.

At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey towards expanding precision medicine, transforming care delivery, and improving patient experience, all enabled 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 170 years of experience and 18,000 patents globally. With more than 48,000 dedicated 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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