

**Sysmex Corporation**

1-5-1, Wakinohama-Kaigandori,  
Chuo-ku, Kobe, Hyogo 651-0073, Japan  
Tel +81 (78) 265-0500  
Fax +81 (78) 265-0524  
[www.sysmex.co.jp](http://www.sysmex.co.jp)

**Sysmex Asia Pacific Pte Ltd**

9, Tampines Grande #06-18,  
Singapore 528735, Singapore  
Tel +65 6221-3629  
Fax +65 6221-3687  
[www.sysmex-ap.com](http://www.sysmex-ap.com)

**Sysmex India Pvt. Ltd**

1002, Damji Shamji Business Galleria, 10<sup>th</sup> Floor, LBS  
Marg Kanjurmarg (West), Mumbai 400 078, India  
Tel +91 (22) 6112-6666  
Fax +91 (22) 2577-6790  
[www.sysmex.co.in](http://www.sysmex.co.in)

**PT Sysmex Indonesia**

Cyber 2 Tower, 5<sup>th</sup> Floor, Unit E, Jl. HR. Rasuna Said,  
Blok X5 No. 13, Jakarta Selatan 12950, Indonesia  
Tel +62 (21) 3002-6688  
Fax +62 (21) 3002-6699  
[www.sysmex.co.id](http://www.sysmex.co.id)

**Sysmex (Malaysia) Sdn Bhd**

11A & 15, Jalan PJS 7/21, Bdr Sunway,  
47500 Subang Jaya, Selangor, Malaysia  
Tel +60 (3) 5637-1788  
Fax +60 (3) 5637-1688  
[www.sysmex.com.my](http://www.sysmex.com.my)

**Sysmex (Thailand) Co., Ltd**

12<sup>th</sup> Floor, Tonson Tower, 900 Ploenchit Road,  
Lumpini, Pathumwan, Bangkok 10330, Thailand  
Tel +66 (2) 635-5777  
Fax +66 (2) 257-0530  
[www.sysmex.co.th](http://www.sysmex.co.th)

**Sysmex Philippines Inc.**

30<sup>th</sup> Floor MDC 100 Bldg, E. Rodrigues Jr. Ave, cor  
Eastwood Ave, Bagumbayan, Quezon City, Philippines  
Tel +63 (2) 621-2460  
Fax +63 (2) 621-2432  
[www.sysmex.com.ph](http://www.sysmex.com.ph)

**Sysmex New Zealand Ltd**

382 - 386 Manukau Rd, PO Box 26-085, Epsom,  
Auckland 1344, New Zealand  
Tel +64 (9) 630-3554  
Fax +64 (9) 630-8135  
[www.sysmex.co.nz](http://www.sysmex.co.nz)

**Sysmex Vietnam Co., Ltd**

Unit 802, Centre Point Bldg, 106 Nguyen Van Troi St,  
Phu Nhuan Dist, Ho Chi Minh City, Vietnam  
Tel +84 (8) 3997-9400  
Fax +84 (8) 3997-9405  
[www.sysmex.com.vn](http://www.sysmex.com.vn)

**Sysmex Vietnam Co., Ltd (Hanoi Branch)**

Floor 10, Vinaconex Building, 34 Lang Ha St,  
Dong Da Dist, Ha Noi, Vietnam  
Tel +84 (4) 3776-7020  
Fax +84 (4) 3776-7022  
[www.sysmex.com.vn](http://www.sysmex.com.vn)

**Sysmex Australia Pty Ltd**

Level 9, Avaya House, 123 Epping Road  
North Ryde NSW 2113, Australia  
Tel +61 (2) 8875-7700  
Fax +61 (2) 8875-7777  
[www.sysmex.com.au](http://www.sysmex.com.au)

**Fully Automated Coagulation Analyzer**

# CS-1600

*Novel technologies. Assuring results.*

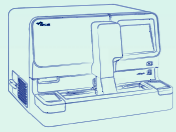
## About Sysmex

Sysmex is a global market leader in the development and implementation of clinical diagnostic and health IT products and services for laboratories, hospitals and healthcare organizations.

We deliver total solutions in the field of clinical laboratory testing, including hematology, hemostasis, urinalysis, clinical chemistry, immunoassay system and life science. Supplying products and services to customers in more than 150 countries, Sysmex is the market leader in hematology and coagulation instrumentation worldwide.

By working together with our customers and business partners, Sysmex is committed to our mission of shaping the advancement of healthcare.

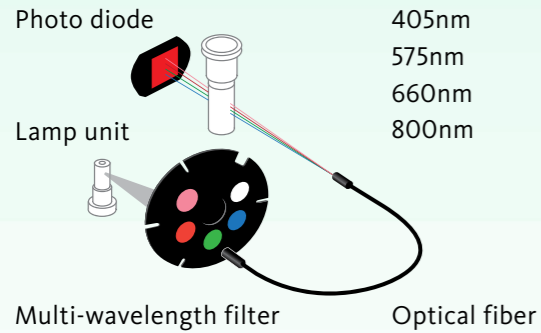




# Novel technologies

Assuring consistently accurate and reliable results on every test run

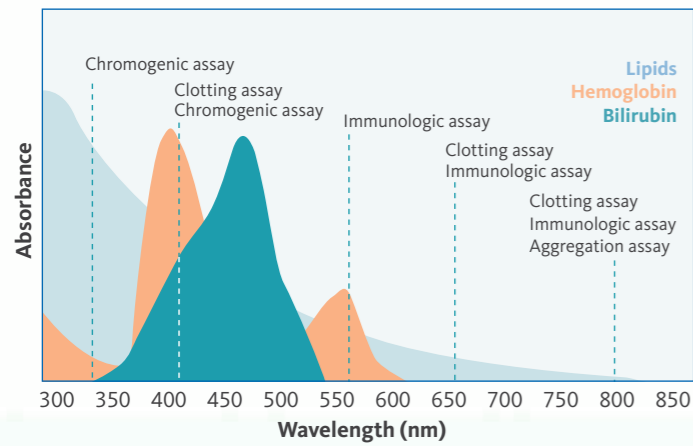
Sysmex aims to bring cutting edge technology to every laboratory. The CS-1600 system is a further evolution of the CS-series; utilizing the proprietary multi-wavelength detection system to deliver consistently accurate and reliable results to laboratories.



The CS-1600 is equipped with an optical fiber that supplies light at 4 different wavelengths, and a detector capable of receiving light in multiple wavelengths.

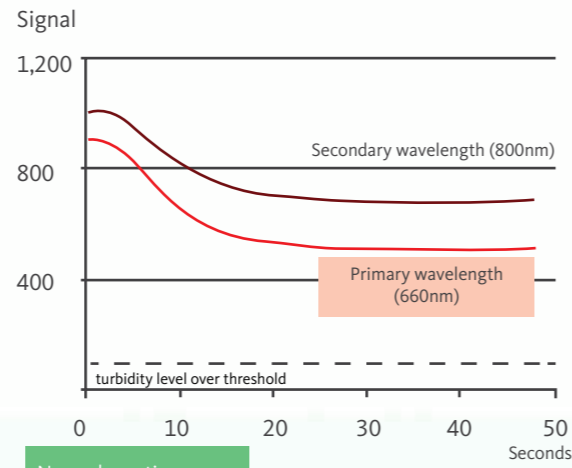
This is the Sysmex proprietary multi-wavelength detection system. It allows measurement of multiple parameters with varying methodologies simultaneously. Throughput is improved as the time to measure a single sample is reduced.

## The power of multi-wavelength technology

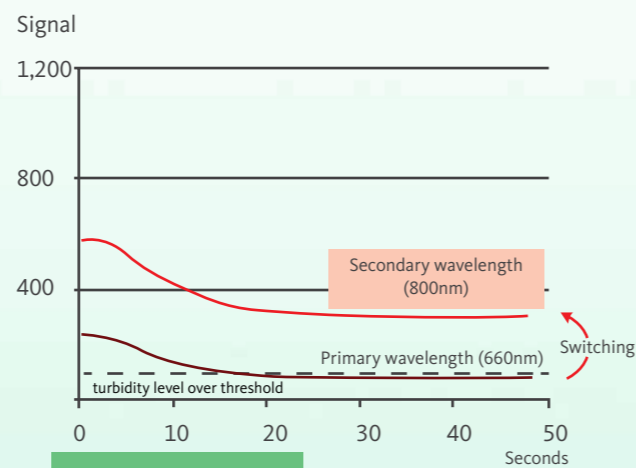


Spectra of interfering substances

- Reduces the effect of interfering substances on the absorbance spectra by utilizing optimal wavelengths.
- Optimal wavelength is automatically selected based on the sample characteristics (wavelength switching) for more accurate results.
- Switches automatically to the secondary wavelength when the coagulation reaction shows only a small change at the primary wavelength. Such as in the case of a severely lipemic or low fibrinogen sample.



Normal reaction curve



Abnormal reaction curve

Wavelength switching during PT measurement



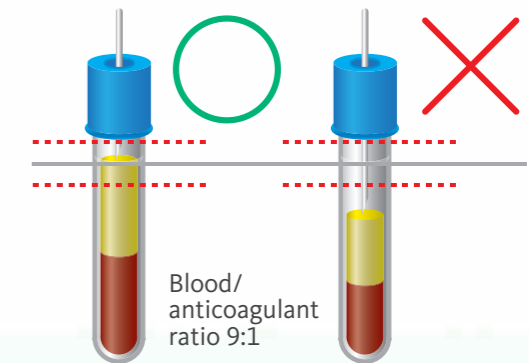
## Reliable cap-piercing system

- Sysmex has accumulated more than 20 years of experience in developing cap-piercing systems that are safe and highly reliable.
- This prevents sample contamination and deliver accurate results.

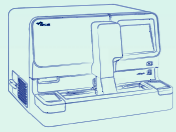


## Primary sample volume check

- When aspirating a sample for the first time, the system detects the level of liquid in the sample tube. It then determines whether or not it contains an appropriate volume of blood according to the CLSI guideline of 9:1 ratio.
- Sample tubes with volumes outside the acceptable range are flagged to avoid reporting of erroneous results.



Status	S	Mode	Sample No.	Batch No.	Start Time	End Time	Sample Vol.	CP	Check
Complete	V		0000000000000001	A 000001-01	13:46	13:54	Vo 1		GR
Complete	V	M	0000000000000002	A 000001-02	13:48	13:55	Vo 1		GR
Complete	V	M	0000000000000003	A 000001-03	13:50	13:54	Vo 1		GR
Complete	V		0000000000000004	A 000001-04	13:58	14:01	Vo 1		GR
Complete	V	M	0000000000000005	A 000001-05	13:51	13:54	Vo 1		GR
Complete	V		0000000000000006	A 000001-06	13:52	14:00			GR
Complete	V		0000000000000007	A 000001-07	13:53	14:04			GR
Complete	M		0000000000000008	A 000001-08	13:58	14:04			GR
Complete	V		0000000000000009	A 000001-09	13:58	14:06			GR
Complete	M		0000000000000010	A 000001-10					GR



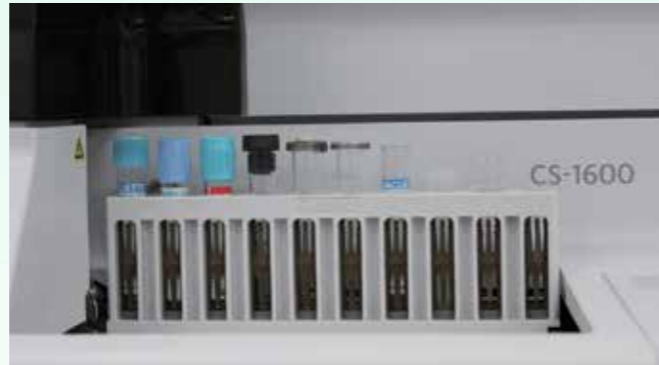
# User-friendly functions

## Improving operational efficiency for you

The CS-1600 system aims to help laboratories manage their workflow easily and efficiently.

### Safe & flexible sample aspiration

- The system can handle various types of blood collection tubes. It automatically detects the presence of a cap, enabling measurement, even when capped and uncapped collection tubes are placed on the same rack.
- This reduces your sample processing time.

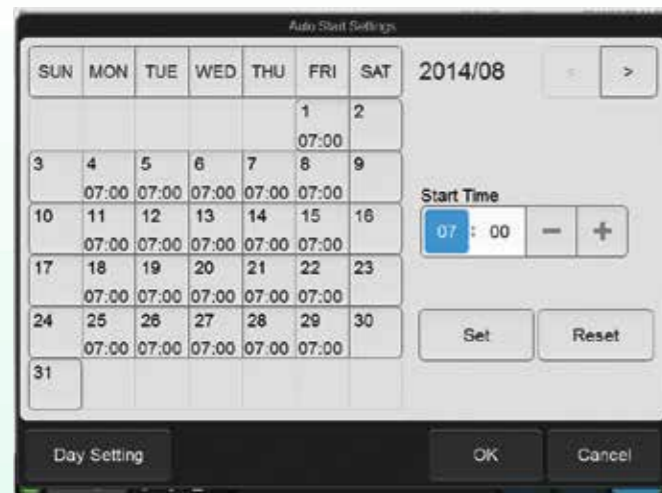


### Flexible STAT analysis

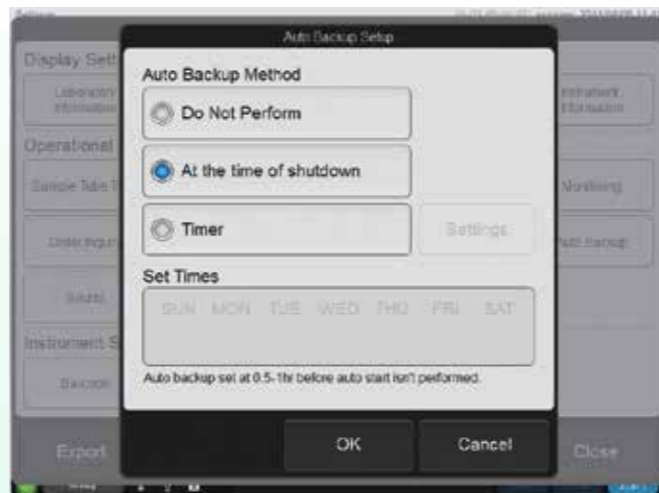
- STAT samples are given priority by enabling flexible and easy interruption through “sample” or “rack” interruption method.
- On-screen animation is available to guide you through the process.



### Auto starts and backup



- Allows you to prepare the analyzer for standby mode at the designated dates and times.



- Automatically take care of your data preservation for you by performing auto backup function at the scheduled time or at the time of shutdown.

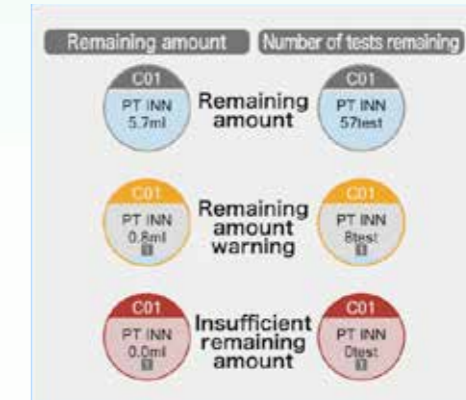
### Easy-to-read reagent display screen



Remaining volume/number of tests

- Complete on-board reagent status information with supporting graphics and data to help you manage your daily reagent use.

On-board stability time

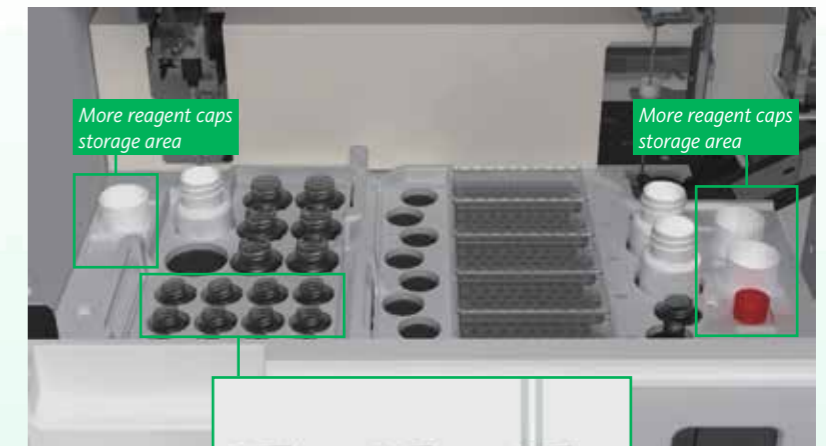


3 status indicators to let you know when it is time to change the reagent

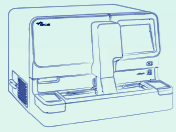
### A thoughtful design



Reagent caps storage area



Tilted reagent vial positions to reduce reagent wastage



# Sophisticated software

Supporting your laboratory accreditation requirements and operations

Thanks to the sophisticated software used, the CS-1600 system offers extra support to laboratories in meeting their accreditation requirements and daily operation needs.

## Traceability of results/operation log

- This dedicated accreditation feature allows you to trace the measurement results, reagent lot number, calibration curve used in testing, and the date/time of the recent QC measurement as well as the operation easily.



## Handover

With just one screen, you can check the remaining reagents and consumables level, maintenance status and error information easily and quickly, and prepare the analyzer accordingly before handing over to the next shift.

