CS-2100i/CS-2000i

Specifications

Detection principle
multi-wavelength detector for transmitted light at 340, 405, 575, 660 and 800 nm

Detection methods
10 channels for clotting, chromogenic and immunnoassays; 4 channels for platelet aggregation*

Parameters
up to 60 parameters can be analysed simultaneously

Throughput
up to 180 tests/h

Sampling
rack type auto sampler with cap piercing functionality**, an initial capacity for 10 racks with 10 sample tubes each, and continuous loading possibility; separate STAT positions

Reagent holder
40 positions cooled at 10 °C; 5 positions at room temperature; all positions with positive reagent identification

Reference curves
multi-lot management with max. 10 curves per reagent lot and max. 10 reagent lots per parameter

Quality control
X-bar, Levey-Jennings and Westgard control

Data storage
up to 10,000 samples

Dimensions/weights w x h x d [mm] / [kg]
main unit approx. 775 x 675 x 865 / 100
pneumatic unit approx. 280 x 400 x 355 / 17
IPU approx. 356 x 317 x 129 / 15

*under evaluation, **cap piercing functionality only available on CS-2100i

Sysmex – your solution provider
For over four decades we have listened to our customers to learn about their pressing and future needs. This has helped us grow from being just a supplier of individual products to an all-round solution provider. We believe it’s about looking at the bigger picture. From a holistic perspective we consider matters like logistics, technical issues, application and educational support.

The combination of theoretical and applied knowledge is crucial. Wherever we can, we try to use our experience and expertise to make work easier, more effective and more satisfying, so as our customer you can free your mind. And pursue the tasks that really matter to you – delivering excellent service to your clients, with their patients in mind.
Sysmex CS-series for modern coagulation testing

Our CS-series analysers are intended for busy, mid-size to highest workload haemostasis labs with a fair amount of routine and specialty testing. In this sort of lab, you need fast and reliable instruments. CS-series instruments use the latest technology and consolidate and automate a wide range of coagulation tests in a single analyser, with rapid throughput, high quality results and true clinical significance.

The CS-2000i and CS-2100i benchtop analysers offer four detection methods at the same time, on the same platform – clotting, chromogenic, immunoassay and aggregation. This delivers up to 60 selectable parameters, which makes the devices particularly versatile and suitable for multi-functional laboratories.

Safety first: steps that matter before the analysis starts

Unsuitable samples can be a source of incorrect results. They also need extra time for repeat analysis. To make sure you get accurate results straight away, the CS-2100i/CS-2000i checks all sample tubes for over- or under-filling and scans them for any interfering substances, such as with haemolysis, lipaemia or icterus. The multi-wavelength detector scan determines the most suitable measurement wavelength for each sample. Unsuitable samples are flagged and either accepted or skipped – the decision is yours, as you can define and set the criteria.

Superb productivity

The CS-2100i/CS-2000i performs a wide spectrum of basic and more specialised testing, automatically and standardised. Thanks to this single instrument’s broad capabilities, you can streamline your workflow without the need for other equipment and the extra knowledge and training required to run them.

On your CS-2100i/CS-2000i reagents can be loaded in any position at any time, even during the measurement process. Reagent identification and data input are automatic thanks to two-dimensional in situ barcode reading. This improves security and ease of use. It also helps you reduce reagent wastage, and the extended on-board reagent stability further reduces costs for your lab.

With remote access capabilities, we can help you look after your device proactively. This service means instrument downtimes can be kept as short as possible or even prevented.

Great clinical value

When developing the CS-2100i/CS-2000i, we focused strongly on clinical value and diagnostic benefits for both labs and clinicians. It delivers superior assay and extended calibration performances and the possibility of specialty testing, including for instance FXIII, or vWF:Act via the incorporated aggregometry method. Results quality can be assured by multiple patient sample dilutions.

Thanks to advanced photo-optical clot detection, the analyser can measure throughout the clot formation and can display the full clot signature after recording, monitoring and checking the reaction kinetics. This helps identify atypical in vitro clot reactions that may occur with sepsis or DIC patients and helps determine the correct coagulation reaction result.

Automated, rule-based reflex testing increases diagnostic result quality since additional tests required for abnormal samples are triggered and performed automatically. You therefore get all the results you need with no additional intervention.

Visit also www.sysmee-europe.com/coagulation