

CA-104

Key specifications

Detection principle	turbo-densitometric, opto-mechanical
No. of detector channels	4
Parameters	PT, APTT, Fbg, TT
Throughput	max. 60* tests per hour
Test protocols	up to 15 programmable
Sample volumes	min. 50 µL (PT, APTT, TT, Fbg)
Reagent positions	4
Calibration	up to 15 curves with up to 9 points each can be stored
Interfaces	LCD display (user interface) integrated thermal printer serial RS232C for data output to an optional external printer SD-card to save measuring and patient data pre-programmed ChipCARD to read and write reagent-specific data
Dimensions / weight w x h x d [mm] / [kg]	270 x 95 x 310 / approx. 2.9
Operating voltage	24 V DC / 2A. Universal adapter included for 100 – 240 V

* User- and assay-dependent



Simplify essential
coagulation testing



Simplifying your daily laboratory work

In haemostasis, test results can point out major clinical issues, some of which can be life-threatening if not dealt with swiftly and accurately. Confidence in the subsequent clinical decision-making is therefore essential. You need equipment that performs reliably and produces results of consistently high quality at all times.

The answer to your essential coagulation testing needs

The CA-104 is a compact, semi-automated four-channel coagulation analyser. It is an excellent solution for laboratories that perform a low volume of routine coagulation testing but still want to enjoy the simplicity and standardisation provided by instrumental analysis. In larger labs, you can use the CA-104 if you have to have a different method available for particular tests such as APTT. The CA-104 performs all essential routine tests such as PT, APTT, Fibrinogen and TT. It is easy to operate, robust and will support you day after day with a reliable performance.

Excellent technology

The CA-104 uses turbo-densitometry and combines the best of both mechanical and optical detection principles. The lamp intensity automatically adjusts to the sample turbidity, which means all samples are analysed at a consistent quality level. Results are automatically calculated for PT and fibrinogen. They can be output to an optional external printer. On the CA-104, results can also be output via the integrated printer.

Standardised procedure

The instrument incubates and mixes sample and reagent automatically and indicates when to add the starting reagent. The auto-start function automatically detects when reagent is added (pipetting is done manually) and triggers mixing and clot detection. This procedure requires minimal manual intervention, is easy to perform and produces consistent and reliable results, which ensures standardisation in your lab.

Safe and easy data handling

CA-104 is simple to operate yet equipped with powerful interfaces for safe and easy data handling. The integrated ChipCARD reader enables you to load method-specific data and parameters into the analyser via a pre-programmed ChipCARD, which significantly reduces the risk of errors. During measurement, data such as results, reaction curves and patient data can be recorded and saved onto commercially available SD-cards via the integrated SD-card interface.

A reliable partner for your lab

CA-104

Sysmex is a total solution provider for laboratories of all sizes around the world. With more than fifty years' experience in lab haematology and over thirty in haemostasis, our solutions satisfy real laboratory and user needs – from the smallest detail to large-scale workflow design. With representative sites in nearly all countries, our supply and service are leading in our field.

We provide a wide range of scientific articles on haemostasis, from topics in our SEED (Sysmex Educational Enhancement and Development) database to specific details on our assays and technology. These can help you to optimise your lab testing and interpret the analysers' results, and in doing so offer patients the best clinical care. Your local Sysmex representative can provide you with more information.*



You can now run your haemostasis tests with

- ✓ a standardised analysis process,
- ✓ simplified handling and minimal manual intervention,
- ✓ results you can rely on, and
- ✓ increased confidence.

* www.sysmex-europe.com/seed



The CA-104 is based on Silent Design®, Sysmex's concept that contributes to a more enjoyable workplace experience by putting people first and optimising the interaction between users and the devices they operate day in, day out.