

# CA-104: ESSENTIAL COAGULATION TESTING MADE EASY.

## SPECIFICATIONS

<b>Detection principle</b>	turbo-densitometric, opto-mechanical
<b>No. of detector channels</b>	4 channels
<b>Parameters</b>	PT, APTT, Fbg, TT
<b>Throughput</b>	PT only: about 60 tests per hour
<b>Test protocols</b>	up to 15 programmable
<b>Sample volumes</b>	min. 50 µL (PT, APTT, TT, Fbg)
<b>Reagent positions</b>	4
<b>Calibration</b>	up to 15 curves with up to 9 points each can be stored
<b>Interfaces</b>	LCD display (user interface) built-in 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
<b>Dimensions / weights</b> main unit	w x h x d [mm] / [kg] 270 x 95 x 310 / approx. 2.9
<b>Operating voltage</b>	24V DC / 2A. Universal adapter included for 100 – 240 V



Design and specifications may be subject to change due to further product development. Changes are confirmed by their appearance on a newer document and verification according to its date of issue.

© Copyright 2014 – Sysmex Europe GmbH

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

**Sysmex Europe GmbH**  
Bornbarch 1, 22848 Norderstedt, Germany · Phone +49 40 52726-0 · Fax +49 40 52726-100 · [info@sysmex-europe.com](mailto:info@sysmex-europe.com) · [www.sysmex-europe.com](http://www.sysmex-europe.com)

**Legal manufacturer: Labor BioMedical Technologies GmbH**  
An der Strusbek 6, 22926 Ahrensburg, Germany · Phone +49 4102 47950 · Fax +49 4102 4795-35 · [info@labitec.de](mailto:info@labitec.de) · [www.labitec.de](http://www.labitec.de)

You will find your local Sysmex representative's address under [www.sysmex-europe.com](http://www.sysmex-europe.com)

CA-104-EN-C03/14



## COAGULATION TESTING IS INCREASINGLY IMPORTANT.



*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 the individual and the devices they use day in, day out.*

Cardiovascular diseases (CVD) are the leading cause of death and disability in the world. And considering the demographics and lifestyle we see today, this is not likely to change any time soon. Those with cardiovascular disease have the best chances when their illness is detected early. And labs that offer coagulation testing can really help.\*

### THE ANSWER TO YOUR ESSENTIAL COAGULATION TESTING NEEDS

The CA-104 is a particularly 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 runs all basic routine tests such as PT, APTT, Fibrinogen and TT. It is easy to operate, hardwearing and robust and will support you day in, day out 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 sample turbidity, which means all samples are properly analysed with constant high quality results. 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 internal printer.



### STANDARDISED PROCEDURE

The instrument incubates and mixes sample and reagent automatically and indicates when to add 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 only little manual intervention, is easy to perform and ensures consistent, high quality results so you can focus further on standardisation in your lab.

### SAFE AND EASY DATA HANDLING

Running analyses on the CA-104 is simple, but you can perform other tasks easily and safely too. You can load method-specific data and parameters into the analyser via a pre-programmed ChipCARD, which is read by the integrated ChipCARD reader. This reduces the risk for errors significantly. During measurement, recorded data such as results, reaction curves and patient data can be saved to an SD-card via the integrated SD-card interface.

You can now run your haemostasis tests with

- a standardised analysis process,
- simplified handling and minimum manual intervention,
- results you can rely on,
- confidence and peace of mind.

### A RELIABLE PARTNER FOR YOUR LAB

Sysmex is a total solution provider for laboratories of all sizes around the world. With over forty years' experience in lab haematology, and almost thirty creating coagulation analysers, our solutions meet 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 areas of expertise.

We offer a wide range of scientific articles on coagulation and other fields of interest – from basic introductions to specific topics in our 'SEED' database (Sysmex Educational Enhancement and Development). These can help you optimise your lab testing and interpret the analysers' results, and in doing so offer patients the best clinical care. Your local Sysmex representative can tell you more.