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We Believe the Possibilities.

*Simplifying coagulation testing*

# CA-104

## Semi-automated blood coagulation analyzer

### 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 and urinalysis. 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.





# CA-104 Your Straightforward, Compact Coagulation Analyzer



Ideal for laboratories that require minimum manual intervention in performing routine coagulation assays. It is designed to simplify coagulation testing; making it more standardized and reproducible

- Coagulation testing is made easy with built-in timer, temperature control, and auto-start and timing of measuring process
- Easy to use with pre-programmed methods
- Objective detection of clot formation
- Automatic light intensity adjustment according to the turbidity of the plasma, making it possible to measure icteric or lipemic plasma reliably
- Sophisticated standard curve tool to maintain accuracy and precision
- Increase throughput with short incubation time
- A technology that requires only half the sample and reagent volume for testing as compared to manual method
- A compact design, combined with the use of SD-card and ChipCARD system for your convenience



### Secure Digital Card

The analyzer offers the option to record and save measuring and patient data to a commercially available SD-card while performing measurement



### ChipCARD

The analyzer allows you to load method-specific data and parameters for a certain method via an integrated ChipCARD reader

Together with high quality reagents, it provides a reliable coagulation solution, not only for low volume testing, but also as an backup for fully automated system that requires a different optical method

### Reagent system

- PT** • Thromborel S, Dade Innovin
- APTT** • Dade Actin, Dade Actin FS, Dade Actin FSL, Pathromtin SL
- TT** • Thromboclotin, Test Thrombin Reagent
- Fbg** • Multifibren U



### Turbodensitometric Measuring Principle

A light beam passes through the cuvette containing the test plasma onto a photo detector. Any change in the intensity of the transmitted light, i.e., light increase or decrease, is converted into an electric signal.

The stirrer mix the reagent and plasma in the cuvette. And at the same time creates a small whirl through the mixer movement to ensure even the smallest fibrin clot is formed in front of the photo detector

Once the start reagent is added, the lamp intensity automatically adjusts up or down according to the turbidity of the sample

This stirring action and optical measurement constitute the basic features of the turbodensitometric measuring principle

