



We Believe the Possibilities.

Simplifying coagulation testing

CA-101

Semi-automated blood coagulation analyzer



1



Set cuvette

2



Dispense and Incubate sample

3



Timer countdown

4



Aspirate start reagent

5



Dispense start reagent, measurement is started automatically. Result is displayed on the LCD screen or printed out automatically to an external printer

Together with high quality reagents, it provides a reliable coagulation solution, not only for low volume testing, but also as a 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



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Basic Specifications

	Instrument Type	Semi-automated optical analyzer for clotting assays
	Light Source	LED
	Parameters	PT, APTT, TT, Fibrinogen, Extrinsic and intrinsic factors
	Sample Volume	PT, APTT 50µL Fbg 100µL TT 50-100µL Factors 5µL
	Throughput	PT approx. 15 tests/hr APTT approx. 10 tests/hr
	Principle	Turbodensitometric measuring principle
	Measurement Channels	One with light protection cap
Measurement	Incubation Channels	One reagent position, four cuvette positions
	Sample Type	Centrifuged citrated plasma
	Sample & Reagent Handling	Manual pipette, auto-start function
Sample & reagent handling	Reaction Tube Type	Single-use cuvettes with stir bars
	Access Mode	Batch testing
Operation	LCD Display	One line with 8 characters each
	Calibration Curve	Up to 9 calibration points can be stored
	Programmable Methods	Up to 7 assays
	Reportable Units	Seconds, INR, Percent, mg/dL
	Temperature Control	Measurement channels and incubation positions are kept at approx. 37.4°C +/- 0.4°C
	Printer	External printer connection as option
	Interfaces	For data output, RS 232C interface is available. A ChipCARD reader is used to read reagent-specific data via pre-programmed ChipCARD
Technical	Dimensions	205W x 60H x 130D mm
	Weight	0.65 kg
	Operating Voltage	100 - 240VAC
	Power Consumption	9.6VA
	Operating Temperature	10°C - 30°C
	Relative Humidity	Less than 85%



ChipCARD

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

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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.



I01 Your Straightforward, Compact Coagulation Analyzer

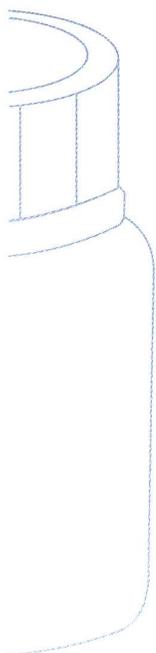
Ideal for laboratories that require minimum manual intervention in performing routine coagulation assays. It is designed to simplify coagulation testing; making it more standardized and reproducible

- 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 ChipCARD system for your convenience



ChipCARD

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



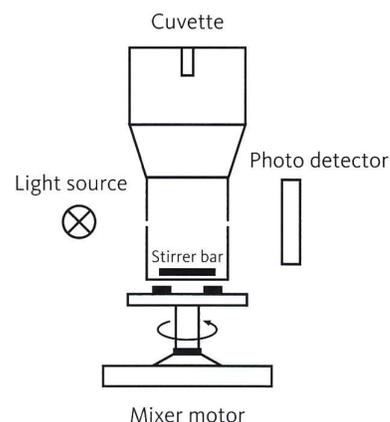
Turbodensitometric Measuring Principle

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



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