

## Semi-automated blood coagulation analyser CA-101

Simplifying  
coagulation testing



*Design and specifications may be subject to change due to further product development.*

**Sysmex Asia Pacific Pte Ltd**  
Tel +65 6221-3629 Fax +65 6221-3687  
[www.sysmex-ap.com](http://www.sysmex-ap.com)

**Sysmex India Pvt. Ltd**  
Tel +91 (22) 6112-6666  
[www.sysmex.co.in](http://www.sysmex.co.in)

**PT Sysmex Indonesia**  
Tel +62 (21) 3002-6688 Fax +62 (21) 3002-6699  
[www.sysmex.co.id](http://www.sysmex.co.id)

**Sysmex (Malaysia) Sdn Bhd**  
Tel +60 (3) 5637-1788 Fax +60 (3) 5637-1688  
[www.sysmex.com.my](http://www.sysmex.com.my)

**Sysmex New Zealand Ltd**  
Tel +64 (9) 630-3554  
[www.sysmex.co.nz](http://www.sysmex.co.nz)

**Sysmex (Thailand) Co., Ltd**  
Tel +66 (2) 032-2536 Fax +66 (2) 116-5396  
[www.sysmex.co.th](http://www.sysmex.co.th)

**Sysmex Philippines Inc.**  
Tel +63 (2) 621-2460 Fax +63 (2) 621-2432  
[www.sysmex.com.ph](http://www.sysmex.com.ph)

**Sysmex Vietnam Co., Ltd**  
Tel +84 (8) 3997-9400 Fax +84 (8) 3997-9405  
[www.sysmex.com.vn](http://www.sysmex.com.vn)

**Sysmex Vietnam Co., Ltd (Hanoi Branch)**  
Tel +84 (4) 3776-7020 Fax +84 (4) 3776-7022  
[www.sysmex.com.vn](http://www.sysmex.com.vn)

**Sysmex Australia Pty Ltd**  
Tel +61 (2) 9016-3040  
[www.sysmex.com.au](http://www.sysmex.com.au)

## CA-101 Your Straightforward, Compact Coagulation Analyser



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

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



### Turbidensitometric 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 turbidensitometric measuring principle

