sysmex | Lighting the way with diagnostics

Semi-automated blood coagulation analyser

CA-104

Simplifying coagulation testing

www.sysmex-ap.com

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

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SAP/HAEMOSTASIS/CA-104/30042019/V3.0

CA-104 Your Straightforward, Compact Coagulation Analyser

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

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

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