

FOURCLOT[™]

Four Channel Coagulation Analyser



CE

Features

COAGULATION

- Four independent programmable coagulation channels for faster throughput.
- Display online results of all four channels simultaneously on single screen.
- Designed to perform all routine & special tests such as PT, APTT, TT, Fibrinogen, Factor II, V, VII, VIII, IX, X, XI, XII.
- Uniform mixing of Sample & Reagent with magnetic stirrer.
- Automatic sensing of sample/reagent dispensing to start the measurement.
- Multipoint Calibration curve with user entered standard dilution % in FIB and Factor Assay.

PHOTOMETER :

- Independent channel for Photometric assays.
- Multipoint calibration curve with maximum 7 calibrators for Photometric assays.
- Chromogenic assays antithrombin III (AT-III), protein C (PC), protein S (PS), D-dimer.

COMMON :

- Effective temperature regulation system.
- Robust system with built in stabilizer.
- Storage Capacity of 250 open tests with QC and more than 2500 results.
- Independent memory for Coagulation and Photometric mode.
- Unique circuitry for long lamp life.
- Human machine interface : Touchpad, Keypad.
- Quality Control with Levey Jennings and standard deviation graphs.

Technical Specifications

COAGULATION

Measuring System : Photometric / Mechanical

Optical Measurement : Photodiode

Measuring Volume : 150 μ l

Sample & Reagent Mixing : With Magnetic Stirrer

Dry Block Incubator : 24 Positions Temperature at 37 $^{\circ}$ c

Light Source : LED

Analysis Mode: PT, APTT, TT, Fibrinogen, Factor Assay (Factor II, V, VII, VIII, IX, X, XI, XII)

Results Displayed in : Seconds, Ratio, INR, Concentration and %

PHOTOMETER :

Linear Measurement Range : 0.000 to 3.000 Absorbance Units (A)

Photometric Accuracy : \pm 2% or 0.007 Whichever is Higher, From 0 to 1.5 A, \pm 3% from 1.5 A to 3.0 A

Optical Measurement : Photodiode

Cuvette Volume : 500 μ l

Filters Interference : 405, 630 nm

Light Source : Tungsten Halogen

Warm Up Time : 90 Seconds

Analysis Mode : Absorbance, Kinetic, End Point, Fixed Time

COMMON :

Computer Interface : RS 232 Serial Port

: USB

Power : 50 Watts / 115 – 230 Volts \pm 50 / 60 Hz

Operating Position : On Horizontal Flat, Rigid and Vibration Free Surface

Operating Conditions : Operating Conditions

Temperature : From + 18 $^{\circ}$ C to 35 $^{\circ}$ C

Relative Humidity : Up to 85 %

Dimensions in mm (lxbxh) : 345 X 300 X 140 (Approx)

Weight : 5.4 kg (Approx)



Display



4 Coagulation Channels



1 Photometric Channel



24 Positions Incubator



Printer

Due to continuous development, specifications are subject to change without prior notice.



An ISO 9001 : 2008 Certified Company
An ISO 13485 : 2012 Certified Company

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