

# **FOURCLOT**<sup>™</sup>

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  $\mu$ 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  $\mu$ 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)



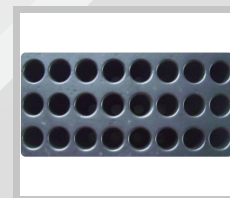
Display



4 Coagulation Channels



1 Photometric Channel



24 Positions Incubator



Printer

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



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