

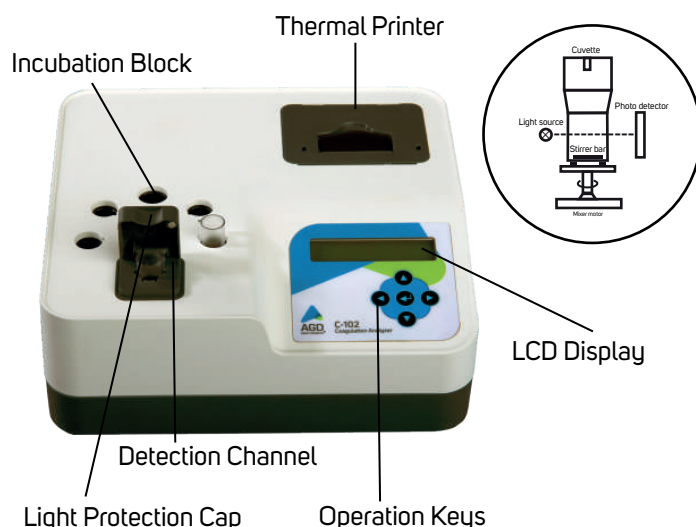
C-102

Semi-Automatic Blood Coagulation Analyzer



- **Compact design** - Ideal for low-volume labs or as a backup in high-throughput workloads
- **Advanced LED technology** - With pre-programmed parameters for easy operation - PT, APTT, TT, FIB
- **Reduced sample & reagent consumption** - Cost-effective and efficient testing
- **Integrated thermal printer** - for immediate result printing.
- **Dual calibration tables** - pre-loaded options for accurate Fibrinogen testing
- **Numeric Patient ID entry** - Easy and accurate sample identification
- **Uni-directional LIS connectivity** - Seamless data transfer to laboratory systems
- **INR displayed to 2 decimal places** - Enhanced precision for critical results

Advanced C-102 Semi-Automatic Blood Coagulation Analyzer provides fast & accurate results with less reagent sample consumption.



Turbo-Densitometric Measuring Principle

This system uses an **optical method** based on a **LED light source**. A light beam passes through a cuvette containing both **reagent and plasma**. As the reaction occurs, any change in light intensity is detected and converted into an **electrical signal**.

A **stir bar inside the cuvette** gently mixes the plasma and reagent, creating a small whirlpool. This whirlpool helps detect even the **smallest formation of fibrin clots**.

The combination of **optical detection and stirring** ensures high sensitivity and accuracy- making it the core of the **turbo-densitometric measuring system**

Sr. No	Specifications	Description
1	Principle	Turbo-densitometric
2	Method	Optical
3	Reagent Type	Open/Closed
4	Test Performed	PT, APTT, TT, FIB
5	Test Channel	One
6	Test Wavelength	455nm
7	Reagent Position	2
8	Sample Position	4
9	Temperature Control	37 ± 0.5°C
10	Precision Test of PT APTT TT FIB	%CV≤5 %CV≤5 %CV≤5 %CV≤10
11	Memory of Tests Stored	1000 results
12	Measurement Time in Sec	600sec
13	Display	16X2 LCD
14	Power Supply	100 - 250Vac, 50/60 Hz, 10W
15	Communication Interface	RS232, USB for back up
16	Printer	Thermal Printer
17	Operating Environment	Ambient Temperature 2-50°C and Relative Humidity 10-85%
18	Net Weight	1.5Kg
19	Dimensions	220x200x85 mm

Specifications are subject to change without the prior notice of manufacturer.

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