

# Erai Clot100

Semi-Automatic  
Blood Coagulation Analyzer



The advanced semi-automatic blood coagulation analyzer provides rapid and accurate results while reducing sample usage.

## Turbo-Densitometric Measuring Principle

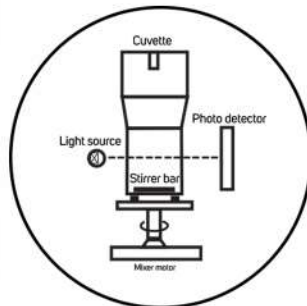
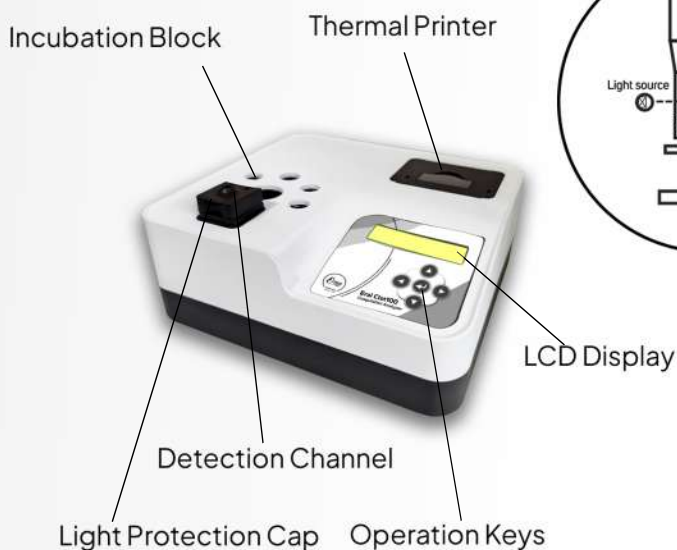
Turbo-densitometric Principle uses Optical Method .

LED is used as a source of light. A Light beam passes through the cuvette containing the Reagent & Plasma.

Change in the intensity of light transmitted is converted into an electric signal.

The cuvette containing stir bar is used. Stir bar mixes the reagent & plasma forming a small whirl. The whirl helps in detecting the smallest fibrin clot.

Stirring mechanism & Optical method together constitute the basic feature of turbo-densitometric measuring principle.



## Convenient

- Small footprint
- Designed for low volume laboratories or as a backup for high workload
- Latest LED technology
- Pre-programmed parameters
- Light Protection cap, prevents stray light and dust.

## Ease of Access

- Built in timer
- Auto-start Function
- On- screen real-time display of measuring seconds
- Prior Beeper during testing, provides accuracy & efficiency

## Economically Reliable

- Less sample & reagent consumption compared to Manual method
- Short incubation time increases throughput of the system
- Built in Thermal Printer
- Environment friendly system with minimum use of accessories
- Less user maintenance

## Parameters

- PT-Prothrombin Time
- APTT-Activated Partial Thromboplastin Time
- TT - Test Thrombin

Sr. No	Specification Parameter	Description
1	Principle	Turbo-densitometric
2	Method	Optical
3	Reagent type	Open/closed
4	Test performed	PT, APTT, TT
5	Test channel	One
6	Test wavelength	630nm
7	Reagent position	2
8	Sample position	4
9	Temperature control	37 ± 0.5°C
10	Precision test of	
	PT	%CV<=5
	APTT	%CV<=5
	TT	%CV<=5
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	1.4Kg
19	Dimensions	220x200x85 mm

Test Parameters	
Incubation Time:	60 Sec
Reagent Vol:	100 uL
Ref L:	8.0 Sec
Ref H:	13.5 Sec
ISI:	1.05
MPT:	13.00
Replication status:	0
C.V.:	5
Sample Result	
Parameter:	Value
SMP ID:	125
Date:	11/11/2022
Testname:	PT_AGD
Result:	11.8 Sec
Ratio:	0.9
INR:	0.9
Percent:	> 100
Flag:	-

## ERMA Erai Clot Reagents



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



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