

First
by any Indian
Company

Technical Specifications

FibriTimer™

Zeta-1

Semi-Automated Coagulation Analyzer - 1 Channel

Cat no: FTOPTM-Z1

Design Patent No-371384-001

Type	: Single channel hemostasis system
Number of measuring channels	: 1
Display	: 3.5-inch capacitive touch screen
Measuring principle	: Optical & Mechanical by ball method
Tests (Optical)	: PT, aPTT, Factor assay, aPCR, etc*
Tests (Mechanical)	: PT, aPTT, TT, FIB, LA, Factor assay, aPCR, etc*
Default testing mode	: Optical (LED) 630 nm
Cuvette pre-heating stations	: 4
Reagent pre-heating stations	: 2
Measuring range	: 0 - 200 Sec (Optical), 4.5 - 999 Sec (Mechanical)
Working Temperature	: 5-26°C
Measuring block temperature	: 37.0°C (±0.1°C)
Power requirements	: 100-240V (AC) 50 Hz; 2A, 12 V(Secondary)
Relative Humidity	: ≤ 90%
Atmospheric Pressure	: 86 kPa~106 kPa
RS 232	: Unidirectional
Dimensions	: 218 x 125 x 93 mm (L-W-H)
Weight	: 1200 g

*Test under development

Standard Accessories:

Optional Accessories:

Cat no.	Description	Unit	Cat no.	Description	Unit
FTOPTM-Z1	FibriTimer™ Z-1	01	FT-ZIVP	Variable-Volume automatic pipette with cable & connector	01
FT-ZIUPSA	UPS Power supply adapter with cable	01	FT-ZIPA	Power adaptor	01
FT-Z1TR	Thermal roll	01	FT-ZISSB	Stainless Steel Balls	200
FT-Z1BC	Buffer cup	02			
FT-Z1Cuv	Cuvettes & Balls	25			
FT-Z1UM	User Manual	01			



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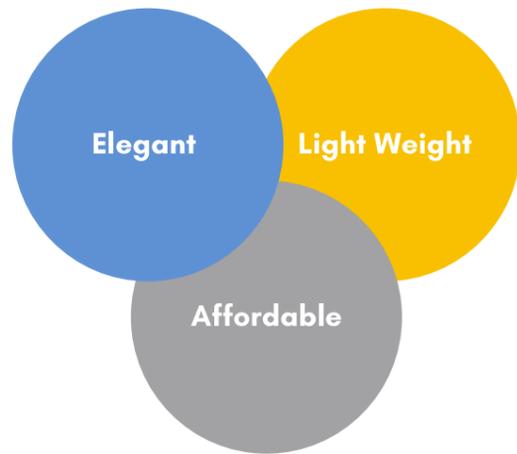
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Instill confidence in test reporting



Features:

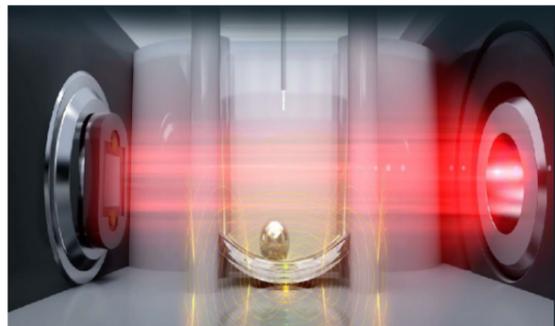
- Dual technology*
- 3.5-inch capacitive touch screen
- Easy menu options
- Single use disposable cuvette

An optional automated pipette
Optional Power adapter for uninterrupted working
Inbuilt printer

*patent applied

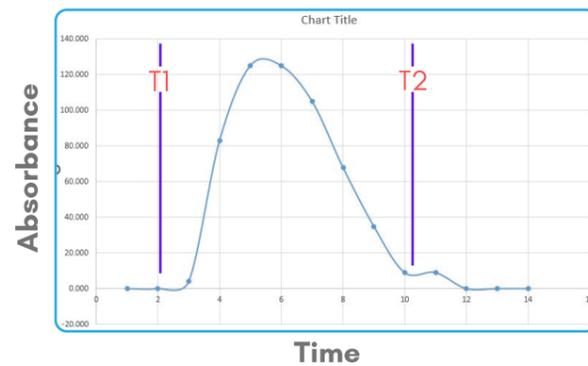
a) A light source (LED, 630 nm) passes through the reaction well.

b) Mechanical by ball movement



Design Reg No- 371385-001

The transmittance is continuously recorded within the reaction well



Dual technology*

Zeta 1 supports INHOUSE testing

Powerful & Economical

Empowers the small labs

Zeta 1 serves as a excellent backup for large throughput labs



Precision Study:

Normal Control (Optical)

Parameters	Runs	SD	CV%	Mean	Assigned Values
PT	14	0.3	2.5	11.6 S	10.6 S
APTT	14	0.9	3.1	29.6 S	23-40 S

AbNormal Control (Optical)

Parameters	Runs	SD	CV%	Mean	Assigned Values
PT	14	0.8	2.7	30.0 S	24-39 S
APTT	14	1	2	52.4 S	40-65 S

FibriTimer™ Zeta-1 is developed and manufactured by Dfine Bio-Innovations Pvt Ltd an ISO 13485:2016 and ZED certified, CDSCO registered MedTech Startup from Bangalore, India and is incubated at the CPDMED: FSID - A incubation wing at IISC Bangalore.

