LABTRON

SEMI-AUTOMATIC COAGULATION ANALYZER LCAZ-A10

www.labtron.com | info@labtron.com

Semi-Automatic Coagulation Analyzer LCAZ-A10 is a compact and portable unit comprehended with scatter turbidimetric assay methodology and 4 constant temperature test channels. Features zero tracking function with optical method detector without visible light interference and magnetic bead. Designed with advanced program self-test and user-friendly interface with LED display, provides quality control analysis function with reaction curve real time monitoring, ensures reliability of test results. With built-in mixer for easy operation, built-in printer with RS-232 serial port, it offers memory storage for up to 100000 pieces of data with analysis report in international standard format.

Features

- Compact and portable unit comprehended with scatter turbidimetric assay methodology
- 4 constant temperature test channels to perform same or different tests at a time
- Zero tracking function, to prevent interference of different sample/reagent
- Optical method detector without visible light interference and magnetic bead
- Advanced program self-test with user-friendly interface and LED display
- Quality control analysis function with reaction curve real time monitoring
- Built-in mixer for easy operation and user convenience
- Built-in printer with RS-232 serial port for easy printing experience
- Large memory storage for up to 100000 pieces of data
- Analysis report in international standard format
- Highly efficient, stable and reliable with easy operation and good performance

Application

Semi-Automatic Coagulation Analyzer is used to measure a coagulation pathway speed, as well as thrombolin and thromboplastin levels, and for detection of blood coagulation factor in medical care, scientific research and education institutions etc.

Specifications

Model	LCAZ-A10
Method	Scatter turbidimetric assay
Test channels	4 (constant temperature)

Test speed	70 to 110 tests/ hour
Sample preheating position	5
Reagent preheating position	15
Reagent cooling position	3
Preheating time range	1 to 5 mins
Preheating time	30 mins (after start up)
Constant temperature	Test Position: 37ºC ± 0.5ºC, Preheating Position: 37ºC ± 1ºC, Cooling Position: ≤12ºC
Test items	Prothrombin time (PT), activated partial thromboplastin time (APTT), thrombin time (TT), fibrinogen (FIB), coagulation factors II-XII, etc.
Accuracy	PT: CV ≤ 2.5%, APTT: CV ≤ 3% , TT: CV ≤ 3%, FIB: CV ≤ 5%
Channel difference	PT tests in different channels: ≤10%
Test accuracy	FIB relative bias ≤ ± 10.0%
Linearity	FIB linearity r ≥ 0.975
Reagent volume	PT：200 µl, APTT：100 µl, TT：100 µl, FIB：100 µl
Sample volume	PT; APTT; TT: 100 µl, FIB: 200 µl
Display	LED; 128×64 mm
Printer	Built-in
Interface	RS-232
Storage	Up to 100000 pieces of data
Power supply	AC 220 ± 22 V 50 ± 1 Hz
Power	≤ 85 VA

Packaging dimension (W×D×H)	510×480×220 mm
Net weight	9 kg
Gross weight	11 kg