



AUTOMATIC COAGULATION ANALYZER LCAZ-B10

Automatic Coagulation Analyzer LCAZ-B10 is a compact and benchtop unit, adopted with Optical coagulation assay, and immunoassay methodology with 4 test channels, 40 cuvette and 10 positions for sample and reagent container each. Features automated functions for sample probe cleaning, sampling procedures, measuring and data analysis, and re-testing of abnormal samples with error reporting. Designed with bar-code and QR code scanning, remote control function and LCD display, this coagulation analyzer saved calibration curves and test results with data memory for more than 50 million pieces of data. With continuous working time for up to 24 h and automatic or manual test mode, it has system maintenance settings along with motor frequency settings and motion accuracy setting. Equipped with self-testing and editable settings for calibrations and quality control, and test procedure, this unit provides emergency sample setting function for any sample position with liquid level detection and comprehensive analysis report according to international standard format.

Features

- ❑ Compact and benchtop unit, adopted with Optical coagulation assay, and immunoassay methodology
- ❑ 4 test channels, 40 cuvette and 10 positions for sample and reagent container each
- ❑ Automated functions for sample probe cleaning, sampling procedures, measuring and data analysis, and re-testing of abnormal samples with error reporting
- ❑ Bar-code and QR code scanning with remote control function and LCD display
- ❑ Saved calibration curves and test results with data memory for more than 50 million pieces of data
- ❑ Continuous working time for up to 24 h with automatic or manual test mode
- ❑ System maintenance settings along with motor frequency settings and motion accuracy setting
- ❑ Self-testing and editable settings for calibrations and quality control, and test procedure
- ❑ Emergency sample setting function for any sample position with liquid level detection
- ❑ Comprehensive analysis report according to international standard format
- ❑ Highly efficient, stable and reliable with easy operation and good performance

Application

Automatic Coagulation Analyzer is used to perform coagulation tests as well as chromogenic and immunologic assays, 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-B10
Method	Optical coagulation assay, and immunoassay
Test channels	4
Test methods	Automatic or manual test mode
Sample position	10
Reagent container position	10
Cuvette	40
Test timing range	0 to 300 s
Test speed	PT- 300 Tests/h, APTT- 250 Tests/h, TT- 300 Tests/h, FIB – 300 Tests/h
Reagent volume	PT, APTT, TT, FIB, FCT: 5 to 200 μ L
Sample volume	PT, APTT, TT, FIB, FCT: 5 to 100 μ L
Preheating time	>30 mins (after start up)
Constant temperature	Detector: 37°C \pm 1°C, Reagent and Sample disk: 37°C \pm 1°C
Test items	Prothrombin time (PT), activated partial thromboplastin time (APTT), thrombin time (TT), fibrinogen (FIB), coagulation factors II-XII, D-dimer, reptilase time (RT), lupus anticoagulant (LA), heparin (HEP), protein C (PC), etc.
Temperature control	Test module and preheating system: 37°C \pm 1°C (constant temperature control) Reagent cooling temperature control: >16°C
Repeatability	CVPT \leq 2% CVAPTT \leq 2.5% CVTT \leq 3% CVFIB \leq 5% CV D-Dimer \leq 6%
Relative Bias	FIB relative bias \leq \pm 10.0%; D-dimer relative bias \leq \pm 10.0%

Linearity	FIB linearity $r \geq 0.975$ D-dimer linearity $r \geq 0.975$
Sample carryover rate	FIB carryover rate $\leq 10\%$
Continuous working time	≥ 24 h
Display	LCD display or touch screen
Storage	More than 50 million pieces of data
Power supply	AC 220 ± 22 V AC, 50 ± 1 Hz
Power	≤ 320 VA
Packaging dimension (WxDxH)	820x730x740 mm
Net weight	39 kg
Gross weight	75 kg