INTER BIO-LAB, INC.
Technology for the Future

HbA1c

SEMI AUTO LPLC ANALYZER

PRODUCT CHARACTERISTICS

- Original 4-gradient elution method
- High sensitive 415nm LED integral photometer
- Unique thermostatic apparatus for chromatographic column
- With gas dissolution and air bubble removal technology

iQ▶A1c M1

Technical Specifications

HbA1c

Basic Parameters

Testing Method	Chromatography / ion-exchange liquid chromatography
Testing Item	Glycated hemoglobin HbA1c (HbA1c)
Testing Scope	4.0% - 16.0%
Testing Parameters	Precision (CV) ≤3%.
Testing Time	Print report within 4 minutes and 10 seconds after analisys
Sample Type	Venous blood

Functional Parameters

Photometer	415nm LED Integral flow colorimeter.
Sampling Mode	Manual
Calibration Mode	Two points calibration
Thermostatic control	Constant temperature for chromatographic column at about 25°C
Control Graph	Viewable / Printable

Output Parameters

Display	Color Touch Screen Display
Printer	Built-in 58mm Thermal printer, printing testing curve and report.
Report Output	IFCC concentration value, NGSP area percentage, ADAG Average glucose
Data Storage	1000 test report (including testting curve).
Communication Interface	USB/RS232 communication interface, connecting to HIS/LIS system and Barcode Reader

Working Parameters

Power Supply	AC 110-220 VAC 50/60 HZ
Size	342mm x 217mm x 335mm
Weight	6.5Kg
Working Environment	Temperature: 10°C - 30°C, relative humidity: ≤70%

- Real-Time chromatogram, intelligent process monitoring.
- Molded production, color touch screen, humanized man-machine exchange UI design
- Fully open structure, seasonable flow path, low fault, easy maintenance.
- Equipped with a barcode reader interface. The user can configure the barcode reader according to his needs, scanning sample information and uploading the information and results to the LIS system.
- Real-Time quality control chart with analysis control, visual performance, and state of the instrument.
- Samples can be checked by time, order, and patient sample number.

Inter Bio-Lab, INC.
2251 Consulate Drive Orlando, FL 32837-8363 USA • Tel: +1 (407) 648-5010
E-mail: info@interbiolab.com
Web: www.interbiolab.com

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