

Technical Specifications

Methodology	High Pressure Ion-exchange Liquid Chromatography(HPLC)
Instrument	Fully-Auto Glycated Hemoglobin HbA1c Analyzer
Sample Type	Venous Blood, Finger Peripheral Blood, or Hemolyse Blood
Sample Volume	5ul Whole Blood, or Lyse Blood (Ratio 5ul: 1500 ul)
Sample Rack	10 Positions, Available for Primary Tube and Sample Cups
Test Mode & Speed	Fast mode: 75 Secs/Test Variant mode: 100 Secs/Test β -Thalassenia(A2/F) Mode: 240 Secs/Test
Measurement Range	HbA1c: 3-25%, HbF: 0.3-45%, HbA2: 0-15%
Precision	CV \leq 2%
Parameter	NGSP, IFCC Result HbA1a, A1b HbF, LA1c, A1c(stable A1c), A0, HbA2, Hb variants(S, C, D, E, J, ...)
Photometer	415nm LED, 20000 hours life span
Column Capacity	4000 tests, Up to 10,000 tests
Pre-sieve	1000 tests
Information Input	Built-in Barcode Scanner or Touch Keyboard
Display	10.4" TFT Colorful LCD Touch Screen
Storage	50,000 Test Results or 7,500 Results with Curves
Printer	Thermal Printer or External Printer
Data Transfer	USB port, Support LIS/HIS, Independent PC Software
Work Condition	Temperature 5~38°C, Humidity 30%~70%
Power Supply	110v-220v, 50-60Hz
Dimension	310mm*470mm*500mm
Weight	20KGS

Consumables

• Reagents Kit	Eluent A, Eluent B Eluent C (Variant Mode), Hemolysis Chromatography Column, Control, Calibrator
----------------	--

Vaxpert Inc

Add: 25163 HIMALAYAS TER, ALDIE, VA 20105-5689, USA

Add: Misket Mah. 605 Sk. No: 26/D, Mamak, Ankara, Türkiye

Add: 1702 Iris Bay Tower, Business Bay, Dubai, UAE

www.vaxpert.net

info@vaxpert.net

VX-Hb730 (HPLC)

sense beautiful life
vaxpert 



Glycated Hemoglobin (HbA1c) Analyzer

Easy-operation | High Precision | Reliable Results

HPLC golden Standard for HbA1c Testing

Easy Operation

Automatic Identification of Sample Type

- Whole blood: 5uL
- Loading 10 samples at a time, can be continuous loading

User Friendly

- Built-in Barcode Scanner for Sample Identification
- Automatic Cap Piercing

Flexible Software

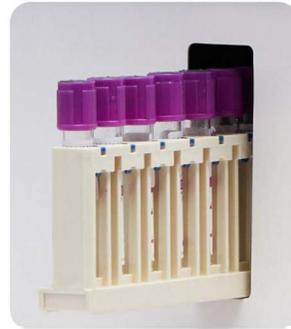
- Customized Laboratory Report
- PC software with Curve for official Report

Free Maintenance

- Online Alarm message for Buffer insufficient

Same Reagent Three Test Modes

- No additional reagents are required to switch variant test modes
- Hb-Varian Detection: HbD, HbS, HbC, HbE, HbJ, etc



Great accuracy and excellent precision

Gold standard: Ion-Exchange HPLC methodology
Good intra-assay and inter-assay repeatability

CV ≤ 2%

One Step Operation

No pretreatment, hemolysin added and result printed automatically



Take Blood Sample



Place on Sample Disc



Test and Print out the Results

High standards for quality results

Global Standard

- The VX-Hb730 Glycated Hemoglobin Analyzer is widely recognized as a Gold Standard to monitor diabetes, which can indicate the average plasma glucose concentration over 8~12 weeks.



NGSP&IFCC Traceable Results

- NGSP & IFCC unit Results
- Lyophilized calibrators and quality control materials allow for long shelf life and easy transportation

Technology Assurance

- High stability pump to ensure the Hemoglobin separation ensure a constant liquid velocity that gives high precision result
- High-precision LED detector can detect sample absorbance with high resolution and accuracy

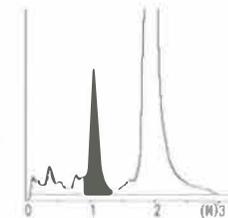


Precision

	Within-run(n=20)		Inter-run(n=20)	
	Low	High	Low	High
Mean	5.54	10.74	5.60	10.66
SD	0.06	0.07	0.10	0.12
CV(%)	1.08	0.65	1.79	1.13

Sample chromatogram

HbA1c report
*** VXHb730 1.3.8.K ***
Date :2021/01/21 10:13:22
Number : 11567 Sample ID:0513
project : HbA1c
HbA1c 06.7% HGSP 1
(4.0%-6.0%)
049.6 mmo 1/mo 1 IFCC



Name	Time	Ares	%
A1a	030	0004.7	00.6
A1b	041	0004.9	00.6
F	051	0004.2	00.6
LA1C	066	0005.6	00.7
A1c	082	0031.1	06.7
A0	133	0704.8	93.3

Total area:0755.5

Comparative test

