

HLC-723GX

SPECIFICATIONS

Parameter	HbA1c (s-A1c), HbF
Sample requirement	Whole blood and diluted samples
Assay principle	High performance ion exchange liquid chromatography
Detection method	2 wave absorption (Detection wave length 415 nm) LED absorption photometer
Through-put	2.2 min. / Test
Analyzer	
Column connection	Finger-tight type
Sample volumes	3 μ L (Whole blood), 120 μ L (Diluted sample)
Sampling method	Cap-piercing for primary sample tubes
Sample capacity	10 + 2 (CAL port) Built-in type
Sample container	Primary tube 12 x 75, 15 x 75 12 x 100, 15 x 100 (mm) (Diameter x Length)
	Sample cup
Barcode Reader	Option
Whole blood dilution method	Automatic dilution using the hemolysate in a dilution port
Column oven	Thermomodule in aluminum block

System Control / Data Processing

Display & Input	Touch panel LCD
Output	Thermal printer (roll paper), USB stick
Data storage	On-board memory: up to 800 samples USB stick
Communication	RS-232C standard serial (bi-directional)
Power Supply/Power Consumption	AC 100 - 240 V, 50/60 Hz, 180 VA
External Dimensions/Weight	370 (W) x 525 (D) x 482 (H) mm / 25.0 kg

Operating Environment

Temperature	15 to 30 degrees Celsius
Humidity	40 % to 80 % R.H. (with no condensation)
Altitude	Up to 2000 m

Conformity Standard

EMC standard	IEC61326-2-6 : 2005 / EN61326-2-6 : 2006
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Product Numbers / Description

P/N	Description
0023130	HLC-723GX
0023160	TSKgel GX
0023161	GX Assay Kit
0018767	Hemoglobin A1c Calibrator Set
0021974	Hemoglobin A1c Control Set

TSKgel GX



GX Assay Kit



Hemoglobin A1c Calibrator Set



Hemoglobin A1c Control Set



Certified Management System
ISO 9001
ISO 13485



TOSOH

* Specifications and design may be changed without prior notice.

TOSOH CORPORATION Bioscience Division

3-8-2 Shiba, Minato-ku, Tokyo 105-8623, Japan
Phone : +81-3-5427-5181
Fax : +81-3-5427-5220



Biosite

MEDICAL INSTRUMENTS

MANILA CEBU DAVAO
200 San Antonio Drive, Suite 202, Cebu City, Philippines
200 San Antonio Drive, Suite 202, Cebu City, Philippines
200 San Antonio Drive, Suite 202, Cebu City, Philippines
E-mail Address: biositemedicalinstruments@gmail.com
Customer Care Hotline: 09171115008
Sales Department: 09171115008
Technical Services Department: 09171114008
© customer service@biositeph.com © biositemedicalinstruments © www.biositeph.com © biositemedicalinstruments



TOSOH

Tosoh Automated Glycohemoglobin Analyzer

HLC-723GX

Golden Standard Accuracy near at hand



GX

Hi-accuracy in compact

Tosoh Automated Glycohemoglobin Analyzer

HLC-723GX



Sample Screen

- ① Sampling mechanism
- ② Turntable
- ③ Column
- ④ Line Filter
- ⑤ Printer
- ⑥ Operation panel
- ⑦ USB port
- ⑧ Buffers

Global Standard Certification

IFCC certified

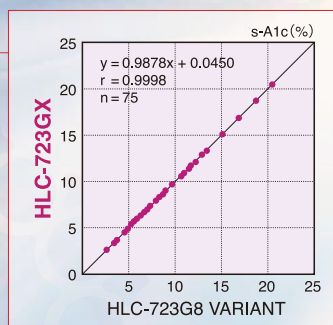


NGSP certified



Hi-accuracy of HPLC principle

- Less than 2% CVs for both intra and inter assay precisions
- No interference from Labile HbA1c, chemically modified Hb, and Hb variants (S, C and D)
- Calibrator is anchored to the IFCC reference material



Simple Operation

- Simple touch screen operation
- Primary tube sampling
- Cap piercing capability



Safety Function

- Auto-lock function when running
- Provided various flags to check and support

Compact Benchtop Size

- Compact foot-print (370 × 525 mm)
- Light weight (25 kg)



Easy Maintenance

- Virtually maintenance free
- Semi permanent light detector
- No tool requirement for column and filter replacement



— PERFORMANCE DATA —

■ Reproducibility

Intra-assay (n=10)

	Low	High
Mean	5.30	10.46
SD	0.00	0.05
CV	0.00	0.48

Inter-assay (n=10)

	Low	High
Mean	5.37	10.42
SD	0.05	0.04
CV	0.93	0.38

■ Interference

No effect has been observed by these substances on s-A1c test result up to the following concentrations in the whole blood.

Glucose*	~ 1000 mg/dL
Sodium cyanate*	~ 25 mg/dL
Acetaldehyde*	~ 25 mg/dL
Free bilirubin	~ 19.2 mg/dL
Conjugated bilirubin	~ 20.1 mg/dL
Chyle (lipid)	~ 1,500 Fomazine turbidity
Asprin*	~ 25 mg/dL

* One hour incubation at 37 °C

■ Sample Chromatogram

