



HEMOGLOBIN A1C TOSOH HLC-723 G8

Recognized Tosoh expertise
for flexible HbA_{1c} diagnostic
workflow

SPEED AND PRODUCTIVITY

- Flexibility of workflow, ideal for medium throughput laboratories with analysis rate of **1.6 minutes per sample**.

TECHNOLOGY

- State of the art High Performance Liquid Chromatography (HPLC) separation of HbA_{1c} among other hemoglobin fractions.

LOW COEFFICIENT OF VARIATION (CV)

- Direct determination of stable HbA_{1c} with CV <2% (IFCC).

NO INTERFERENCE

- From HbD, HbS, HbC, HbE, HbF or hemoglobin derivatives such as labile HbA_{1c} and carbamylated or acetylated hemoglobin

SIMPLE TO USE

- User friendly and guided software for a precise and easy-to-use system.
- Automated maintenance, cap piercing and barcode identification are available to reduce hands-on time and increase efficiency.



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TOSOH HLC-723 G8 Fully Automated Hemoglobin A_{1c} HPLC Analyzer

The TOSOH HLC-723 G8 is a compact benchtop automated HbA_{1c} analyzer with a throughput of just 1.6 minutes per sample and is equipped with either a 90 or 290 sample loader with a dedicated STAT position. The analyzer uses Ion Exchange High Performance Liquid Chromatography principle which is considered as the Gold Standard for HbA_{1c} determination.

SPECIFICATIONS

Parameters	HbA _{1c} (s-A _{1c})、HbF、HbA ₁ (Total A ₁)
Principle	High performance Ion Exchange Liquid Chromatography Visible two-wavelength colorimetry
Sample Requirement	Whole blood or diluted samples
Sampling Volume	Whole blood:3 μ L Diluted blood:80 μ L
Throughput	1.6 minutes per sample (Variant Analysis Mode)
Data storage	On-board memory : up to 800 samples

MAIN UNIT	
Sampling	Cap-piercing of primary sample tubes
Workable Anticoagulants	2Na EDTA, 2K EDTA, 3K EDTA, 3.8% Na Citrate, Na Heparin, Li Heparin
Sample Dilution Method	Automatic dilution using the Hemolysis & Wash Solution in a dilution port
Column Oven	Thermomodule in aluminum block
Column Connection	Finger-tight type
Detector Unit	LED colorimetric detector

SAMPLE LOADING UNIT	
Sample loading capacity	G8-90SL: 90 samples plus one STAT sample G8-290SL: 290 samples plus one STAT sample
Sample holding	10 samples per rack
Sample vial	12 ~ 15 diameter \times 75 ~ 100 mm primary tubes and Tosoh standard vials

SYSTEM CONTROL / DATA PROCESSING	
Display & Input	Liquid crystal display touch panel
Output	Thermal printer (roll paper) , Smart Media, or LIS
Communication	RS-232C standard serial (bi-directional)
Power Requirement	AC 100 ~ 240V, 50/60Hz, 180 VA

TOSOH CONNECTIVITY SOLUTIONS (OPTIONAL)	
501 RP+	5 instruments = 1 middleware A data management application software to aid in workflow efficiency for your laboratory from processing to reporting.