



G8

THE BENCHMARK OF PERFORMANCE



Tosoh Automated Glycohemoglobin Analyser HLC-723G8® Better diagnostics for better living

TOSOH BIOSCIENCE



G8

The benchmark
of performance

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

TECHNICAL SPECIFICATIONS

Analytes	Std & Variant Mode: HbA1c (sA1c), HbF β-Thal Mode: HbF, HbA2
International Standards	IFCC/NGSP (Std/Variant), WHO Ref (NIBSC 89/666) (β-Thal)
Measurement Principle	Ion exchange high performance liquid chromatography
Calibration	HbA1c – 2 Level (Std and Variant Mode) BTHAL – 1 Level
Printer	Thermal Printer
Networking	RS-232C serial communication port (bi-directional)
Flagging	18+ Customisable Flags
Analytical Resolution	0.1% / 1mmol/L
Power / Heat Output	AC 100-240V, 50/60Hz, 180VA max / 260 BTU (@21°C)
Dimensions (WxDxH) / Weight	90SL - 530mm x 515mm x 480mm / 34kg 290SL - 1120mm x 530mm x 480mm / 51.5kg

PROCESSING SPECIFICATIONS

Sample Loading	90/290 tube samplers & Lab Automation Connections
Sample types	Whole Blood / Pre-Diluted Samples
Sample Dimensions	12-15mm diameter, 75-100mm collection tubes
Aspirated Sample Volume	3μL (Std/Var), 4μL (β-Thal), 80μL (Diluted samples)
Minimum Sample Volume	1mL (Primary tube), 150μL (Sample cup)
Environmental Conditions	15-30°C, 40-80% R.H., Up to 2000m
Analytical Throughput	STD mode: 1.0 min/sample Variant mode: 1.6 min/sample β-Thal. Mode: 6.0 min/sample

REAGENT DETAILS

Standard Mode	TSKgel® G8 HSi	0021498
	G8 Elution Buffer HSi No. 1 (S)	0021800
	G8 Elution Buffer HSi No. 2 (S)	0021801
	G8 Elution Buffer HSi No. 3 (S)	0021802
Variant Mode	TSKgel® G8 Variant	0021848
	G8 Variant Elution Buffer HSi No. 1 (S)	0021849
	G8 Variant Elution Buffer HSi No. 2 (S)	0021850
	G8 Variant Elution Buffer HSi No. 3 (S)	0021851
β –Thal. Mode	TSKgel® G8 β-Thal. HSi	0021929
	G8 β-Thalassemia Elution Buffer Kit	0021930
	G8 β-Thalassemia Diluting Solution (S)	0021931
	G8 Hemoglobin F&A2 Calibrator	0021932
	G8 Hemoglobin F&A2 Control Set	0997050
Common Reagents	HSi Hemolysis and Wash Solution (5x 2L)	018431L
	HSi Hemolysis and Wash Solution (2x 4L)	019550L
	Hemoglobin A1c Calibrator Set	0018767
	Hemoglobin A1c Control Set	0021974
	G8 HbA1c Calibrator Set (S)	0023528
	HbA1c Diluting Solution	0023503