



G11

**TOSOH'S GREATEST
PERFORMANCE**



Tosoh Automated Glycohemoglobin Analyser HLC-723G11® **Better diagnostics for better living**

TOSOH BIOSCIENCE

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 – 2 Level
Printer	Thermal Printer
Networking	RS-232C serial communication port (bi-directional)
Flagging	20+ Customisable Flags
Analytical Resolution	0.1% / 1mmol/L
Power / Heat Output	AC 100-240V, 50/60Hz, 200VA max / 280 BTU (@21°C)
Dimensions (WxDxH) / Weight	90SL - 530mm x 515mm x 482mm / 37kg 290SL - 1120mm x 530mm x 482mm / 54kg



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Tosoh's greatest performance

Automated HbA_{1c} expertise at the highest level of productivity

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), 5μL (β-Thal), 150μL (Diluted samples)
Minimum Sample Volume	1mL (Primary tube), 200μL (Sample cup)
Environmental Conditions	15-30°C, 40-80% R.H., Up to 2000m
Analytical Throughput	STD mode: 0.5 min/sample Variant mode: 1.0 min/sample β-Thal. Mode: 5.0 min/sample

REAGENT DETAILS

Standard Mode	TSKgel® G11	0023855
	G11 Elution Buffer No. 1 (S)	0023856
	G11 Elution Buffer No. 2 (S)	0023857
	G11 Elution Buffer No. 3 (S)	0023858
Variant Mode	TSKgel® G11 Variant	0023478
	G11 Variant Elution Buffer No. 1 (S)	0023479
	G11 Variant Elution Buffer No. 2 (S)	0023480
	G11 Variant Elution Buffer No. 3 (S)	0023481
β –Thal. Mode	TSKgel® G11 β-Thal.	0023504
	G11 β-Thalassemia Elution Buffer No. 1 (S)	0023505
	G11 β-Thalassemia Elution Buffer No. 2 (S)	0023506
	G11 β-Thalassemia Elution Buffer No. 3 (S)	0023507
	G11 F&A2 Calibrator Set	0023508
	G11 F&A2 Calibrator Set 2	0023550
	G11 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
	HbA1c Calibrator Set (S)	0023502
	HbA1c Diluting Solution	0023503
	Hemoglobin A1c Control Set	0021974