



# G8

## THE BENCHMARK OF PERFORMANCE



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

### TOSOH BIOSCIENCE



## TECHNICAL SPECIFICATIONS

Analytes	HbA <sub>1c</sub> (sA1c), HbF, HbA1
International standard	IFCC / NGSP
Applicable Samples	Whole blood and diluted samples
Assay Principle	Ion exchange high performance liquid chromatography
Processing Time	STD mode: 1 min per sample Variant mode: 1.6 min per sample
Calibration	2 point calibration by calibrators
Throughput	60 - 38 samples per hour depending on mode
Sample volume	4µl for whole blood and 80µl for diluted samples
Minimal Sample volume	Primary tube: 1ml minimum Cup: 50µl whole blood or 150µl diluted blood
Anticoagulants	EDTA, NaF, Heparin, Citric acid
Customizable Flags	More than 18 according to parameter settings

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The benchmark  
of performance

Recognised Tosoh expertise  
for flexible HbA<sub>1c</sub> diagnostic  
workflow

ASSAY PERFORMANCE	LOW	MEDIUM	HIGH
	Intra assay % controls (Variant Mode)	0.6	0.3
Inter assay % controls (Variant Mode)	0.6		0.4
MIN UNIT OF MEASUREMENT	<b>0.1 %</b>		
No interferences (Variant Mode)	Free bilirubin: < 0.2g/l Conjugated bilirubin: < 0.2g/l Chyle: < 2100 formazine turbidity Aspirin: < 0.5g/l HbF: < 22% GHbF on Heterozygous Hb D, S, C, E		
Calibrator volume (Variant Mode)	400µl		
Dilution	1/51		
Control volume	At least 120µl		
REAGENTS STANDARD MODE	ARTICLE	ARTICLE NUMBER	
	TSKgel® G8 Variant HSi	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	
REAGENTS VARIANT MODE	ARTICLE	ARTICLE NUMBER	
	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	
COMMON REAGENTS	ARTICLE	ARTICLE NUMBER	
	HSi Hemolysis and Wash Solution (L)	018431L	
	Haemoglobin A1c Calibrator Set	0018767	
	Haemoglobin A1c Control Set	0021974	