



G11

**TOSOH'S GREATEST
PERFORMANCE**



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

TOSOH BIOSCIENCE



G11

Tosoh's greatest performance

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

TECHNICAL SPECIFICATIONS

Analytes	HbA _{1c} (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: 30 sec Variant mode: 1 min per sample
Calibration	2 point calibration by calibrators
Throughput	60-120 Samples per hour depending on mode
Sample volume	3 µl for Whole blood and 150 µl for diluted samples
Minimal Sample volume	Primary Tube: 1ml minimum Cup: 100 µl whole blood or 200 µl diluted blood
Anticoagulants	2KEDTA, 3KEDTA, Sodium citrate, NaF + Heparin sodium, NaF + Heparin sodium+ EDTA-2Na
Customizable Flags	More than 20 according to parameter settings

ASSAY PERFORMANCE		LOW	HIGH
Intra assay % controls (Variant Mode)	0.63 (NGSP)	0.00 (NGSP)	
	1.11 (IFCC)	0.00 (IFCC)	
Inter assay % controls (Variant Mode)	0.96 (NGSP)	0.49 (NGSP)	
	1.71 (IFCC)	0.63 (IFCC)	
MIN UNIT OF MEASUREMENT		0,1 %	
No interferences		Free bilirubin: < 20 g/L Conjugated bilirubin: < 20 g/L Tryglyceride: < 5 g/L Glucose: < 10 g/L Aspirin: < 50 g/L Ascorbic acid: < 2.5 g/L Sodium cyanate < 0.25 g/L Acetaldehyde < 0.25 g/L HbF: < 30% Heterozygous Hb D, S, C, E	
Calibrator volume	500 µl		
Control	1/51		
Control volume	At least 200 µl		
REAGENTS STANDARD MODE		ARTICLE	ARTICLE NUMBER
		TSKgel® G11	023855
		G11 Elution Buffer No. 1 (S)	023856
		G11 Elution Buffer No. 2 (S)	023857
		G11 Elution Buffer No. 3 (S)	023858
REAGENTS VARIANT MODE		ARTICLE	ARTICLE NUMBER
		TSKgel® G11 Variant	023478
		G11 Variant Elution Buffer No. 1 (S)	023479
		G11 Variant Elution Buffer No. 2 (S)	023480
		G11 Variant Elution Buffer No. 3 (S)	023481
COMMON REAGENTS		ARTICLE	ARTICLE NUMBER
		HSi Hemolysis and Wash Solution (2 L x 5 bottles)	019550
		HSi Hemolysis and Wash Solution (4 L x 2 bottles)	018431
		Haemoglobin A1c Calibrator Set	0018767
		Haemoglobin A1c Control Set	0021974