

Hb A1c

CHEM. #	(*)
NAME	Hb A1c
IMMUNOASSAY	YES
TYPE	(0) ZERO ORDER
INVERSE	(0) NO
% SAMPLE VOL.	24 (12 µL)
FILTER P.	1 (WL 340)
BIC. CHEM.	NO
DELAY	5 SP 00
INCUBATION	5 SP 00
BLANK	NO
% REAGENT VOL.	60 (300 µL)
2 ND REAGENT	YES
2 ND % REAGENT VOL.	12 (60 µL)
UNITS	g/dL
UNIT FACTOR	1
DECIMAL	0
RBL. LOW	0.000
RBL. HIGH	0.700
RANGE LOW	0.05
RANGE HIGH	2.50
CAL. FACTOR (**)	1
Std. 1	0.00
Std. 2	(*) S1
Std. 3	(*) S2
Std. 4	(*) S3
Std. 5	(*) S4
REAGENT RATE	0
NORMAL LOW	0.00
NORMAL HIGH	10.00
SLOPE	1
INTERCEPTION	0
C1*10E-6	0.00
C2*10E-6	99999.01
D1*10E-6	10.00
DELTA#	0.010
Blank: Make reagent blank with sodium chloride 154 mmol/L (NaCl 0.9%).	(**) CAL. FACTOR is determined by a calibration assay
(*) Data entered by the operator	(*) Calibrator expected values S1 – S4

Version 0704

CALCULATION

$$\% \text{HbA1C - IFCC} = \frac{\text{HbA1C (g/dL)}}{\text{Hb (g/dL)}} \times 100$$

The HbA_{1c} percentage in the sample is calculated using the following general formula. The values are traceable to IFCC Reference Method:

The traceable values to Reference Method as described by the US National Glycohemoglobin Standardization Program (NGSP) are calculated using the following general formula:

$$\% \text{HbA1C-NGSP} = 0.915 \times \% \text{HbA1C-IFCC} + 2.15$$