



Pathology and Laboratory Medicine



Orderable - GLYHB

Turn Around Time: 4 hours

Alternate Name(s):

Glycoslylated Hemoglobin Hemoglobin A1c HbA1c



Laboratory: Core Lab



Requisition:

GENERAL LABORATORY REQUISITION



Method of Analysis:

Turbidimetric inhibition immunoassay (TINIA)



Test Schedule:

As required

Specimen:

Adult	Pediatric
4 mL K ₂ or K ₃ EDTA	0-2 years: 0.5 mL Lavender top
Lavender top Vacutainer	Microtainer
tube	2-10 years: 3 mL Lavender top
	tube

Collection Information:

Collect blood aseptically in a Vacutainer tube.

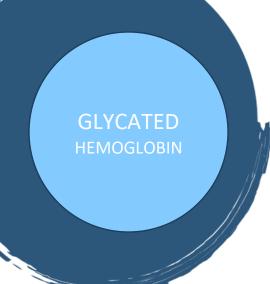
Reference Ranges:

Non-diabetic:	<6.0%
Prediabetes:	6.0% - 6.4%
Diabetes:	> or = 6.5%
Target levels for Type1	< or =7%
and Type 2 Diabetes:	

Interpretive Comments:

Screening and Diagnosis of Type 2 Diabetes

HbA1c Result (%)	Dysglycemia Category
<5.5	Non-diabetic
5.5-5.9	At Risk
6.0-6.4	Prediabetes







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>or=6.5	Diabetes
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Therapeutic Targets

Adults Results (%)	Targets
Less than or = 6.5	Adults with type 2 diabetes
	to reduce the risk of CKD
	and retinopathy if at low
	risk of hypoglycemia
Less than or = 7.0	Most adults with type 1 or
	type 2 diabetes
7.1-8.5	- Recurrent severe
	hypoglycemia and/or
	hypoglycemia unawareness
	- Limited life expectancy
	- Frail elderly and/or with
	dementia
Paediatrics Results (%)	Targets
Less than or = 7.0	Most children with type 2
	diabetes
Less than or = 7.5	Most children with type 1
	diabetes

^{*2018} CDA Guidelines. For more details please visit http://guidelines.diabetes.ca/fullguidelines

Comments:

HbA1c measurement is an index of the integrated plasma glucose values over the past 6-8 weeks, which is not subject to the fluctuations observed in blood glucose concentrations.

Therefore we will cancel duplicates as "HbA1c already tested within 6 wks".