

GLYCATED  
HEMOGLOBIN

## Orderable - GLYHB

Turn Around Time: 4 hours

### Alternate Name(s):

Glycosylated Hemoglobin  
Hemoglobin A1c  
HbA1c

### Specimen:

Adult	Pediatric
4 mL K <sub>2</sub> or K <sub>3</sub> EDTA Lavender top Vacutainer tube	0-2 years: 0.5 mL Lavender top Microtainer 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 and Type 2 Diabetes:	< or =7%

### 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



**Laboratory:**  
Core Lab



**Requisition:**  
GENERAL LABORATORY  
REQUISITION



**Method of Analysis:**  
Turbidimetric inhibition  
immunoassay (TINIA)



**Test Schedule:**  
As required

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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	<ul style="list-style-type: none"> <li>- Recurrent severe hypoglycemia and/or hypoglycemia unawareness</li> <li>- Limited life expectancy</li> <li>- Frail elderly and/or with dementia</li> </ul>
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".