

Glucose, Plasma

ORDERABLE: GLUR

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[For Lab Staff Only](#)

TEST DETAILS

ALTERNATE NAME (S):

Random Glucose

Fasting Glucose

SPECIMEN:

4.5 mL Green or Grey top Vacutainer tube

COLLECTION INFORMATION:

Collect blood aseptically in a Vacutainer tube.

Minimum volume required for a pediatric sample is 0.2 mL

CRITICAL INFORMATION REQUIRED:

N/A

TURNAROUND TIME FROM WHEN SPECIMEN IS RECEIVED IN TESTING LABORATORY:

Routine	STAT
4 hours	1 hour

REQUISITION:

Electronic Order

LABORATORY:

Core

TEST SCHEDULE:

As required

ADDITIONAL INFORMATION

REFERENCE RANGE:

Random glucose		
Age	Reference Values	Units
< 1 year	2.6-11.0	mmol/L
> 1 year	3.4-11.0	mmol/L

Fasting Glucose (No caloric intake for at least 8 hours)		
Age	Reference Values	Units
3 years - 16 years	2.8-6.1	mmol/L
Adult (greater than 16 years)	3.9-6.1	mmol/L

CRITICAL VALUE:

<3.0 mmol/L or >30 mmol/L

INTERPRETIVE COMMENTS:

2018 CDA Updated Diagnostic Criteria for Diabetes:

FPG \geq 7.0 mmol/L

Fasting = no caloric intake for at least 8 hours

or

A1C \geq 6.5% (in adults)

or

2hPG in a 75 g OGTT \geq 11.1 mmol/L

or

Random PG \geq 11.1 mmol/L

Random = any time of the day, without regard to the interval since the last meal

Please check the following link for more details: <http://guidelines.diabetes.ca/cpg>

METHOD OF ANALYSIS:

Enzymatic rate

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SPECIAL PROCESSING:

N/A

SPECIMEN STABILITY:

Li Heparin (green top tube) unspun: stable for 2 hours

Li Heparin (green top tube) spun: stable for 8 hours at room temperature and 24 hours refrigerated.

Na Fluoride (grey top): spun and unspun: stable for 48 hours.

STORAGE AND SHIPMENT:

N/A

REFERRED OUT:

N/A

COMMENTS:

N/A