

GLUCOSE, PLASMA

Orderable - GLUR GLUA (fasting glucose)

Turnaround Time: 4 hours

STAT: 1 hour

Alternate Name(s):

Random Glucose

Fasting Glucose

Specimen:

Adult	Pediatric
4.5 mL Green top Vacutainer tube or 2 mL Grey top Vacutainer tube	0-2 years: 0.5 mL Green top Microtainer 2-10 years: 3 mL Green top tube

Collection Information:

Collect blood aseptically in a Vacutainer tube.

Minimum volume required for a pediatric sample is 0.2 mL

Reference Ranges:

Random	
Age	Range
< 1 year	2.6-11.0 mmol/L
> 1 year	3.4-11.0 mmol/L
Fasting levels - no caloric intake for at least 8 hours	
3 years - 16 years:	2.8-6.1 mmol/L
Adult (greater than 16 years):	3.9-6.1 mmol/L



Laboratory:
Core Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Enzymatic rate



Test Schedule:
As required

GLUCOSE, PLASMA

Critical Value	
Age	Range
0-3 days:	<2 mmol/L or >15 mmol/L
>3 days:	<2.8 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>

Special Processing:

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.