
October 27, 2020

Glucose Ranges Update

Changes: The critical value notification and reference ranges of blood glucose levels has been updated.

Order: Glucose, blood

Specimen Requirements: 5 ml SST

Test Performed: 24 hours a day/7 days a week

Reporting/Reference Ranges:

NEW Critical Value:

0 Days - 2 Days: **<41** mg/dL and >120 mg/dL
2 Days - 6 Months: **<61** mg/dL and >200 mg/dL
6 Months - 150 Y: **<61** mg/dL and >500 mg/dL

OLD critical value:

0 Days - 2 Days: <30 and >120 mg/dL
2 Days - 6 Months: <40 and >200 mg/dL
6 Months - 150 Y: <40 and >500 mg/dL

NEW Reference Range for fasting glucose:

0 days – 2 days: **50** - 99 mg/dl
2 Days - 30 Days: **70** - 99 mg/dL
30 Days -150 Y: 70 -99 mg/dL

Old reference range for fasting glucose:

0 days – 2 days: 40-99 mg/dl
2 days - 30 days: 50 - 99 mg/dL
30 Days -150 Y: 70 - 99 mg/dL

Interpretative comment:

Any of the following results, confirmed on a subsequent day, can be considered diagnostic for diabetes:
Fasting plasma or serum glucose \geq 126 mg/dL after an 8 hr fast.
2 hour plasma or serum glucose \geq 200 mg/dL during a 75 gm oral GTT.
Random glucose $>$ 200 mg/dL, plus symptoms.

Please direct any questions or concerns to either Dr. George Bedrnicek at 402-955-5528 or Dr. Deb Perry at 402-354-4559.

References:

Diabetes Care, Standard of Medical Care in Diabetes – 2020; January 2020, 43 (supplement 1)