

LAB82 Glucose, Random

BMC, CRH, LFH, HRK, OCH, FTT, FOX, FCC

Performing Location(s)

BMC, CRH, LFH, HRK, OCH, FTT, FOX, FCC

Specimen Type

Serum or Plasma

Preferred Container

Gold or Red top tube

Alternate Container

Green or Gray top tube

Minimum Volume

0.5 mL Serum or Plasma

Multiple test can be performed from this volume.

For question please contact the lab at 547-3975.

Storage Requirements

Sample tubes should be centrifuged within 2 hour of collection followed by transfer of the serum (red) or plasma (green top) to a labeled plastic, aliquot tube.

Gold tops do not need to be aliquoted

See Causes of Rejection for temperature requirements.

Gray top tubes do not require centrifugation for transport up to 48 hrs.

Transportation Needs

Deliver specimen to laboratory within 1 hour of collection if unspun.

If not possible see "storage Requirements".

Causes for Rejection

Mislabeled or unlabeled specimen

Less than 50% draw for vacutainer tubes

Serum stored on clot more than 4 hours

> 3 days refrigerated

> 8 hours room temperature

> 5 days frozen

NaF > 3 days refrigerated

Hemolysis > 500 mg/dL HgB

Lipemia > 700 mg/dL Trig

Bilirubin > 40 mg/dL Bili

Reference Values

| Random Glucose Reference Ranges | | | |
|---------------------------------|--------------|---------------------|--------------------|
| Age | Value | High Critical Value | Low Critical Value |
| <1 week | 45-100mg/dL | 450 | < 45 |
| ≥1 week | 70-139 mg/dL | 450 | <40 |

The diagnosis of diabetes can be confirmed by:

1. Fasting Glucose ≥ 126 mg/dL on more than one occasion. Fasting is defined as no caloric intake for at least 8 hours.**
2. Symptoms of hyperglycemia and a casual glucose ≥ 200 mg/dL. Casual is defined as any time of day without regard to time since last meal. The classic symptoms of hyperglycemia include polyuria, polydipsia, and unexplained weight loss.
3. 2 hour glucose ≥ 200 mg/dL during an OGTT. Bassett Healthcare Oral GTT Procedure**

** In the absence of unequivocal hyperglycemia, these criteria should be confirmed by repeat testing from a laboratory on a different day.

Available STAT

Yes

Methodology

Beckman AU/Dx Series

CPT Code

82947