Oral Glucose Tolerance Test

CPT Code: 82951
Order Code: C505 (includes Glucose, Glucose 1Post Prandial and Glucose 2Post Prandial)
ABN Requirement: No
Synonyms: Glucose Tolerance Test; GTT; OGTT
Specimen: Serum
Volume: 1.0 mL
Minimum Volume: 0.5 mL
Container: Gel-barrier tube (SST, Tiger Top)

Collection:

Serum:

1. Collect and label fasting sample according to standard protocols. The sample must be labeled with the time of draw.
2. After administration of the prescribed dosage of glucose beverage, collect and label all subsequent timed samples as prescribed according to standard protocols. Each sample must be labeled with the time of draw.
3. Gently invert tube 5 times immediately after draw. DO NOT SHAKE.
4. Allow blood to clot 30 minutes.
5. Immediately centrifuge at 1300 rcf for 10 minutes.

Patient Preparation: Patient should be fasting for 12 hours prior to being drawn.

Special Instructions: Each timed specimen must be labeled with the draw time. Blood must be centrifuged within 30 minutes of collection.

Transport: Store serum at 2°C to 8°C after collection and ship the same day per packaging instructions provided with the Cleveland HeartLab, Inc. shipping box.

Stability:

Ambient (15-25°C): 8 hours
**Refrigerated (2-8°C):** 7 days  
**Frozen (-20°C):** 2 weeks  
**Deep Frozen (-70°C):** Not Acceptable

**Causes for Rejection:** Samples not labeled with the time of draw; samples that are grossly hemolyzed or lipemic; specimens other than serum; improper labeling; samples not stored properly; samples older than stability limits.

**Methodology:** Photometric

**Turn Around Time:** 1 to 3 days

**Reference Range:**

**Critical Value:**

**Use:** An oral glucose tolerance test can be used to identify diabetic and prediabetic individuals among a healthy, asymptomatic population. It is also used to diagnose gestational diabetes.

**Additional Information:** The oral glucose tolerance test can be useful in individuals with symptoms of diabetes or overweight who have had a normal glucose test.

**References:**

- American Diabetes Association “Standards of Medical Care in Diabetes 2015”