Gamma Glutamyl Transferase (GGT)

CPT Code: 82977

Order Code: C165

ABN Requirement: No

Synonyms: γ-glutamyl transferase; Gamma-glutamyl Transpeptidase; GGTP; Gamma GT; GTP; GGT

Specimen: Serum or EDTA Plasma

Volume: 0.5 mL

Minimum Volume: 0.2 mL

Container: Gel-barrier tube (SST, Tiger Top) or EDTA (Lavender Top) tube

Collection:

Serum:

1. Collect and label sample according to standard protocols.
2. Gently invert tube 5 times immediately after draw. DO NOT SHAKE.
3. Allow blood to clot 30 minutes.
4. Centrifuge for 10 minutes.

EDTA Plasma:

1. Draw and gently invert 8 to 10 times.
2. Centrifuge for 10 minutes.
3. Pre-squeeze transfer pipet bulb and draw off approximately 2/3 of the upper plasma layer.
   Note: This ensures that the buffy coat and red cells remain undisturbed.
4. Aliquot plasma into labeled transport tube and cap tightly. Discard original tube.
5. Store transport tube refrigerated at 2-8°C until ready to ship.

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

Stability:

Ambient (15-25°C): 7 days
Refrigerated (2-8°C): 7 days
Frozen (-20°C): 1 year
Deep Frozen (-70°C): 1 year

Causes for Rejection: Specimens other than serum or EDTA plasma; improper labeling; samples not stored properly; samples older than stability limits

Methodology: Enzymatic Colorimetric Assay

Turn Around Time: 1 to 5 days

Reference Range:

Gender	U/L
Male	8-61
Female	5-36

Intended Use: A g-glutamyl transferase test can be used to differentiate between liver and bone disease as a cause for elevated alkaline phosphatase (ALP), to identify liver damage and to screen for chronic alcohol abuse.

Limitations: In very rare cases gammopathy may cause unreliable results.

The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.