Lab Dept: Chemistry

Test Name: GGT

General Information

Lab Order Codes:	GGT
Synonyms:	Gamma Glutamyltransferase; Gamma GT
CPT Codes:	82977–Glutamyltransferase, gamma
Test Includes:	Gamma GT concentration reported in U/L.

Logistics

Test Indications:	Increases in GGT usually result from diseases of the liver, especially diseases associated with obstruction of the flow of bile.
Lab Testing Sections:	Chemistry
Phone Numbers:	MIN Lab: 612-813-6280 STP Lab: 651-220-6550
Test Availability:	Daily, 24 hours
Turnaround Time:	2 hours
Special Instructions:	N/A

Specimen

Specimen Type:	Blood
Container:	Green top (Li Heparin) tube **preferred** Alternate tube: Red, marble or gold top, Green (NaHep)
Draw Volume:	0.6 mL blood
Processed Volume:	0.2 mL serum/plasma
Collection:	Routine blood collection. Mix tubes containing anticoagulant by gentle inversion.

Special Processing: Lab Staff: Centrifuge specimen, remove serum/plasma aliquot into plastic sample cup. Analyze sample immediately or store at refrigerated temperatures. Avoid prolonged contact with red cells.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimen

Interpretive

Reference Range:

Age (male & female)	Range (U/L)
0 - <15 days	23 - 219
15 days - <1 year	8 - 127
1 to <11 years	6 - 16
11 - <19 years	7 - 21
Adult:	
Male	12 – 64
Female	9 - 36

Critical Values: N/A

Limitations: N/A

Methodology: L-Gamma-glutamyl-3-carboxy-4-nitroanilide Substrate

References:

Abbott Alinity c Gamma-Glutamyl Transferase Instructions for Use, Abbott Diagnostics Division, Abbott Park IL, USA. Revised December 2017

Bio-Rad Liquichek Multqual 1,2,3 Unassayed Control Package Insert, Bio-Rad Laboratories, Irvine, CA, UAA

CALIPER Reference Range Studies, accessed October 27, 2020

Jacobs & DeMott Laboratory Test Handbook, Lexi-Comp, Inc, Hudson, OH, 5th Edition, 2001

Updates:	2/8/2016: Update alt tube types 11/16/20: Update alt tube types, updated for method Alinity c, including new ref ranges