
Lab Dept: Chemistry

Test Name: TRIGLYCERIDES

General Information

Lab Order Codes: TRIG

Synonyms: N/A

CPT Codes: 84478 - Triglycerides

Test Includes: Triglyceride concentration in mg/dL.

Logistics

Test Indications: Useful for evaluating hyperlipidemia; monitoring nutritional status and risk of heart disease.

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: [See Patient Preparation](#)

Specimen

Specimen Type: Blood

Container: Green top (Li Heparin) tube, **preferred**
Alternate tube: SST-Serum Separator (Red, marble or gold top tube)

Draw Volume: 0.6 mL blood

Processed Volume: 0.2 mL serum/plasma

Collection: Routine blood collection. Mix tubes containing anticoagulant by gentle inversion.

Note: Venipuncture should occur prior to administration of N-Acetylcysteine (NAC) or Metamizole due to the potential for falsely depressed results.

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

Do Not use ultracentrifugation.

Patient Preparation: It is recommended that patient fast for 9-12 hours prior to testing if possible.

Sample Rejection: Unlabeled or mislabeled specimen

Interpretive

Reference Range:

Age (Male & Female):	Reference Range (mg/dL)
0 - <9 yrs:	<100
9 - 18 yrs:	<130
Adult:	<200

Critical Values: N/A

Limitations: N-Acetyl-L-Cysteine at therapeutically achieved concentrations (800 mg/dL) may lead to falsely low results. Interferences from medication or endogenous substances may affect results.

Methodology: Glycerol Phosphate Oxidase

References: Abbott Allinity c Triglyceride Reagent Kit Instructions for Use, Abbott Diagnostics Division, Abbott Park, IL, 60064, USA. December 2017

Abbott Alinity c Multiconstituent Calibrator Package Insert, Abbott Diagnostics Division, Abbott Park, IL, 60064, USA. December 2020

2018 Guideline on Management of Blood Cholesterol, GUIDELINES MAKE SIMPLE, A Selection of Tables and Figures, American College of Cardiology, acc.org/GMSCholesterol. June 2019

Tietz Textbook of Clinical Chemistry (1999) 3rd Edition, WB Saunders Company, 1999

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

Updates: 2/9/2016: Update alt tube type
3/29/2016: Update collection/tubes/references
11/24/2020: Updated for method Abbott Alinity, removed method Siemens Vista

