
Lab Dept: Chemistry

Test Name: IGG (IMMUNOGLOBULIN G)

General Information

Lab Order Codes: IGG

Synonyms: Immunoglobulin G

CPT Codes: 82784 – Gammaglobulin; IgG, each

Test Includes: IgG concentration reported in mg/dL.

Logistics

Test Indications: Immunoglobulins, also known as humoral antibodies, recognize antigens and initiate mechanisms that destroy antigens. The major immunoglobulin produced by plasma cells is IgG, which makes up 70-75% of the total immunoglobulins. The major function of IgG appears to be neutralization of toxins (bacterial or viral) in tissue spaces.

Lab Testing Sections: Chemistry

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 day

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Green top (Li Heparin) tube, preferred
Alternate: Red, marble or gold top tube

Draw Volume: 0.6 mL blood

Processed Volume: 0.2 mL serum/plasma

Collection: Routine venipuncture

Special Processing: Lab Staff: Centrifuge specimen, remove aliquot into a plastic sample cup. Specimens can be stored at refrigerated temperatures for 7 days. Centrifuge turbid or particulate samples prior to analysis.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimen, turbid samples that do not clear after centrifugation

Interpretive

Reference Range:

Age:	Range (mg/dL):
Newborn:	611 - 1542 mg/dL
1 month:	241 - 870 mg/dL
2 months:	198 - 577 mg/dL
3 months:	169 - 536 mg/dL
4 - 6 months:	165 - 781 mg/dL
7 - 9 months:	282 - 1026 mg/dL
10 months - 1 year:	331 - 1165 mg/dL
2 years:	407 - 1009 mg/dL
3 years:	423 - 1090 mg/dL
4 - 5 years:	445 - 1187 mg/dL
6 - 8 years:	608 - 1229 mg/dL
9 - 10 years:	584 - 1509 mg/dL
>10 years:	734 - 1570 mg/dL

Critical Values: N/A

Limitations: N/A

Methodology: Nephelometry, Siemens Dimension Vista 500

References: Tietz, Norbert (1999) Textbook of Clinical Chemistry, 3rd edition, Philadelphia, WB Saunders Co, pp 507-509

Siemens Dimension Vista IgG Flex Insert, P/N K705G00E1406, Rev
2011-03

Updates:

2/8/2016: Update alt tube types