
Lab Dept: Chemistry

Test Name: IgM (IMMUNOGLOBULIN M)

General Information

Lab Order Codes: IGM

Synonyms: Immunoglobulin M

CPT Codes: 82784 – Gammaglobulin; IgM, each

Test Includes: IgM concentration reported in mg/dL.

Logistics

Test Indications: Immunoglobulins, also known as humoral antibodies, recognize antigens and initiate mechanisms that destroy antigens. IgM is the most primitive, least specialized immunoglobulin, and the only immunoglobulin that a neonate normally synthesizes. IgM is synthesized against antigens confined to the blood, such as erythrocyte surface antigens and tropical parasites.

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. Centrifuge turbid or particulate samples prior to analysis. Store at refrigerated temperatures for up to 7 days.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimens

Interpretive

Reference Range:	Newborn:	0 – 24 mg/dL
	1 month:	19 – 83 mg/dL
	2 months:	16 – 100 mg/dL
	3 months:	23 – 85 mg/dL
	4 months:	26 – 96 mg/dL
	5 months:	31 – 103 mg/dL
	6 months:	33 – 97 mg/dL
	7 – 9 months:	30 – 120 mg/dL
	10 months – 1 year:	39 – 142 mg/dL
	2 years:	46 – 160 mg/dL
	3 – 5 years:	41 – 190 mg/dL
	6 – 8 years:	46 – 197 mg/dL
	9 – 10 years:	49 – 230 mg/dL
	>10 years	21 – 290 mg/dL

Critical Values: N/A

Limitations: N/A

Methodology: Nephelometry, Siemens Dimesion Vista 500

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

Siemens Dimension Vista IgM Flex Insert, P/N K7058G00E0803, Rev
3/2011

Updates:

2/8/2016: Update alt tube types