
Lab Dept: Chemistry

Test Name: IGE (IMMUNOGLOBULIN E)

General Information

Lab Order Codes: IGE

Synonyms: Immunoglobulin E

CPT Codes: 82785 – Gammaglobulin; IgE

Test Includes: IgE concentration reported in IU/mL.

Logistics

Test Indications: Immunoglobulin E is a trace protein in serum and its concentration is usually age dependant. IgE is so rapidly and firmly bound to mast cells that only trace amounts of it are normally present in the serum. IgE fights allergens in response to allergic reactions.

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 seven 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 (IU/mL):
<1 year:	0 – 15 IU/mL
1 – 5 years:	0 – 60 IU/mL
6 – 9 years:	0 – 90 IU/mL
10 – 15 years:	0 – 200 IU/mL
>16 years:	0 – 100 IU/mL

Critical Values: N/A

Limitations: High levels of rheumatoid factor (>500 IU) may interfere with the assay.

Methodology: Nephelometry, Siemens Dimension Vista 500

References: Tietz, NW (1999) Textbook of Clinical Chemistry, WB Saunders Co., Philadelphia, PA, pp 42-50 and pp 507-512

Siemens Dimension Vista RF Flex Insert P/N K7054G00E0804, Rev 8/2011

Updates: 3/12/2015: Updated specimen rejection criteria.
5/21/2015: Updated reference range ages.
2/8/2016: Update alt tube types