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**Lab Dept:** Chemistry

**Test Name:** IGE (IMMUNOGLOBULIN E)

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***General Information***

**Lab Order Codes:** IGE

**Synonyms:** Immunoglobulin E

**CPT Codes:** 82785 – Gammaglobulin; IgE

**Test Includes:** IgE concentration reported in IU/mL.

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***Logistics***

**Test Indications:** Immunoglobulin E is a trace protein in serum and its concentration is usually age dependent. 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 -3 days, performed daily, Monday - Friday

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

**Container:** Preferred: Red NO GEL  
Alternate: SST (gold or marble), Green (LiHep)

**Draw Volume:** 1.5 mL blood

**Processed Volume:** 0.5 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

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***Interpretive***

<b>Reference Range:</b>	<b>Age:</b>	<b>Range (IU/mL):</b>
	<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:** N/A

**Methodology:** Fluoroenzyme Immunoassay (FEIA)

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

**Updates:**  
 3/12/2015: Updated specimen rejection criteria.  
 5/21/2015: Updated reference range ages.  
 2/8/2016: Update alt tube types  
 10/28/2020: Updated tubes types  
 11/23/2020: Updated for Abbott Method, Siemens removed.  
 11/16/2021: Method update, testing moved from Abbott Instruments to Phadia  
 11/17/21: Updated preferred tube.