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**Lab Dept:** Chemistry

**Test Name:** ALLERGEN IGE

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***General Information***

**Lab Order Codes:** [See Allergen IgE Orderables List](#) for a specific listing of available allergens.

Use the Allergen Care set (Cerner only) or search by allergen name in Sunquest to select individual allergens for ordering.

**Synonyms:** Allergy testing; Specific IgE

**CPT Codes:** 86003 – Allergen specific IgE; quantitative or semi quantitative, for each allergen

**Test Includes:** IgE antibody level specific to the requested allergen or screening panel.

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***Logistics***

**Test Indications:** Seemingly minor childhood conditions may be early warning signs of allergy. Diaper rash, eczema, diarrhea, colic, rhinitis and recurrent ear infections may be symptoms of childhood allergy. Allergen IgE testing is a way to test/screen for causative agents.

**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, set up daily, Monday – Friday

**Special Instructions:** Allergens are available as individual orderables specific to one allergen. Children's also offers two panels tailored to children based on positive allergy trends in the pediatric population in the midwest region. See [Allergen Childhood Profile <3 Years](#), and [Allergen Respiratory Profile >3 Years](#) for more information.

There are many additional allergens available from the manufacturer beyond what you will find on our [Allergen IgE Orderables List](#). If you have a need to test against a specific allergen not included on this list, please contact the lab and we will check on availability and obtain it if possible

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***Specimen***

<b>Specimen Type:</b>	Blood
<b>Container:</b>	Red, marble or gold top tube
<b>Draw Volume:</b>	1 – 5 allergens: 2 mL blood >5 allergens: 1.5 mL blood for each additional 5 allergens
<b>Processed Volume:</b>	0.3 mL serum for first allergen and 0.1 mL serum for each additional allergen
<b>Collection:</b>	Routine venipuncture or fingerstick
<b>Special Processing:</b>	Lab Staff: Centrifuge specimen, remove serum aliquot into plastic tube. Store at refrigerated temperatures for up to 1 week.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens

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***Interpretive***

**Reference Range:**

Negative		
<b>Interpretive Information:</b>		
kU/L:	Class:	Interpretation:
<0.10	0	Absent
0.10 – 0.34	0/I	Equivocal Low
0.35 – 0.69	I	Low
0.70 – 3.49	II	Medium
3.50 – 17.49	III	High
17.50 – 49.99	IV	Very High
50.00 – 100.00	V	Very High
>100.00	VI	Very High
<b>Note:</b> Results will also be reported in kU/L for individual allergens.		

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<b>Critical Values:</b>	N/A
<b>Limitations:</b>	Allergens <0.35 KU/L will be reported as Negative
<b>Methodology:</b>	ImmunoCAP allergen-specific IgE assay is a fluoroenzyme-immunoassay (FEIA), built on a classic sandwich technique.
<b>References:</b>	Phadia Inc Thermo Scientific (April 2007) 4169 Commercial Avenue, Portage, MI 49002 <a href="http://www.phadia.us/">http://www.phadia.us/</a>
<b>Updates:</b>	5/2/2007: Screening panels have been removed as options from the test menu. 9/29/2011: Added kU/L ranges to Reference Ranges. 2/9/2016: Update container types 9/18/2018: Updated Reference Ranges