



# Laboratory Service Manual

**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.

**Note:** Effective May 2, 2007 Children's Laboratory will no longer offer the qualitative Allergy screening panels. Scientific evidence supports the clinical utility of quantitative Allergen Specific IgE tests in the diagnosis of childhood allergy.

Orders for RAST are no longer available. Use the Allergen Care set (Cerner only) or search by allergen name in Misys to select individual allergens for ordering.

**Synonyms:** Allergy testing; Specific IgE; RAST

**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:**

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1 – 3 days, set up daily, Monday – Friday.



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**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

**Specimen**

<b>Specimen Type:</b>	Blood
<b>Container:</b>	Red top (plain, no gel) tube
<b>Draw Volume:</b>	1 – 5 allergens: 2 mL blood  >5 allergens: 2 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
<b>Special Processing:</b>	Lab Staff: Centrifuge specimen, remove serum aliquot into plastic sample cup. Store at refrigerated temperatures.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens

**Interpretive****Reference Range:**

Negative		
<b>Interpretive Information:</b>		
kU/L:	Class:	Interpretation:
<0.35	0	Negative
0.35 – 0.69	1	Equivocal
0.70 – 3.49	2	Positive



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3.50 – 17.49	3	Positive
17.50 – 49.99	4	Strongly Positive
50.00 – 100.00	5	Strongly Positive
>100.00	6	Strongly Positive
<b>Note:</b> Results will also be reported in kU/L for individual allergens.		

**Critical Values:**

N/A

**Limitations:**

Allergens <0.35 KU/L will be reported as Negative

**Methodology:**

ImmunoCAP allergen-specific IgE assay is a fluoroenzyme-immunoassay (FEIA), built on a classic sandwich technique.

**Contraindications:**

N/A

**References:**

Phadia Inc., 4169 Commercial Avenue, Portage, MI 49002  
<http://www.phadia.us/> April 2007

**Updates:**

5/2/2007: Screening panels have been removed as options from the test menu.  
9/29/2011: Added kU/L ranges to Reference Ranges.