
Lab Dept: Chemistry

Test Name: ALLERGEN IGE

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.

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

Specimen

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

Interpretive

Reference Range:

Negative		
Interpretive Information:		
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
Note: Results will also be reported in kU/L for individual allergens.		

All IgE specific allergens are performed at Children's Hospital, 2525 Chicago Ave. South, Minneapolis, MN, 55404, unless otherwise specified.

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.

References:

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

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.

2/9/2016: Update container types

9/18/2018: Updated Reference Ranges