

ImmunoCAP™ Specific IgE Testing

Available at Alverno Laboratories



Alverno Laboratories offers:

ImmunoCAP™ Specific IgE testing, a simple blood test that aids in the diagnosis of allergic disease. Anyone presenting with allergy like symptoms is a candidate for specific IgE blood testing, and NIH guidelines recommend allergy testing for at least those patients that are on daily medication for their asthma symptoms.¹

Specific IgE blood testing can easily be performed irrespective of:^{2,3}

- Patient age⁵
- Skin condition
- Medication
- Disease activity
- Pregnancy status

Whole Allergen

ImmunoCAP Specific IgE Whole Allergen tests measure IgE antibodies to a specific allergen in human serum or plasma and allows quantitative measurements of a wide range of individual allergens and allergen components. More than 550 whole allergens and mixes, including environmental and food triggers, are available for testing.^{5*}

*All allergens may not be commercially available in the United States.

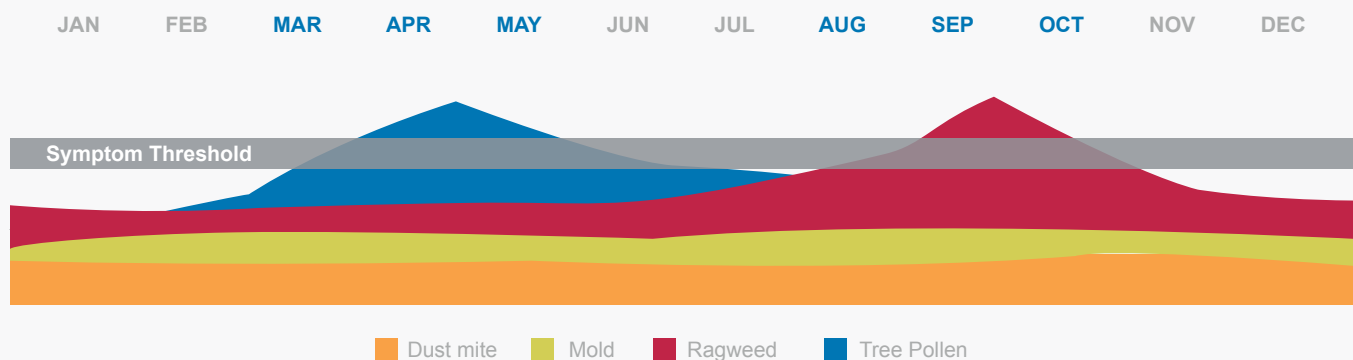
Allergen Components

ImmunoCAP Specific IgE Allergen Component tests measure specific IgE antibodies to individual molecular allergens in serum or plasma. Different component groups often elicit different types of reactions, so testing for them can help indicate true allergy vs. cross-reactivity, a patient's risk of systemic vs. localized reaction⁶, and more.

The Symptom Threshold

Up to 90 percent of patients with allergies are sensitized to more than one allergen.⁷ The effect is cumulative: an individual patient may have a number of triggers, which when combined, may lead to symptoms.⁴ This is known as the symptom threshold. Identifying all the relevant sensitizing allergens will help you outline a comprehensive exposure reduction plan to keep your patient below their symptom threshold.

Managing a patient's symptoms is about their allergic sensitizations — even the ones that are hidden.



ImmunoCAP Profiles

Specimen recommended 5mL of serum or plasma

Allergens can be ordered individually, or as a panel with or without reflex options.

RESPIRATORY REGION V

(AGRS5)

Alternaria alternata
Asp. fumigatus
Bermuda Grass
Birch
Cat Dander
Clad. herbarum
Cockroach
Common Ragweed
Cottonwood
Derm. farinae
Derm. pteronyssinus
Dog Dander
Elm
Helm. Halodes
Hickory/Pecan Tree
Maple (Box Elder)
Mountain Cedar
Mouse
Oak
Penicillium notatum
Rough Pigweed
Russian Thistle
Sheep sorrel
Sycamore
Timothy Grass
Total IgE
Walnut Tree
White Ash
White Mulberry

EGG ALLERGY COMPONENT PANEL

(AGEWP)

Ovalbumin
Ovomucoid

PEANUT ALLERGY COMPONENT PANEL

(AGPTC)

| | |
|-----------------------|-----------------------|
| Ara hypogaea 1 | Ara hypogaea 8 |
| Ara hypogaea 2 | Ara hypogaea 9 |
| Ara hypogaea 3 | |

FOOD ALLERGY PROFILE W/ REFLEX COMPONENT PANELS

(AGFOR)

| | |
|-------------------|--------------------|
| Almond | Scallop |
| Cashew | Sesame seed |
| Codfish | Shrimp |
| Egg white* | Soybean |
| Hazelnut | Tuna |
| Milk** | Walnut |
| Peanut*** | Wheat |
| Salmon | |

*If positive, AGEWP will reflex

**If positive, AGMKP will reflex

***If positive, AGPTC will reflex

NUT PANEL

(AGNUT)

| | |
|-------------------|--------------------|
| Almond | Pecan Nut |
| Brazil nut | Pistachio |
| Cashew Nut | Sesame Seed |
| Coconut | Walnut |
| Hazelnut | |
| Peanut | |

EGG WHITE ALLERGY W/ REFLEX COMPONENT PANEL

(AGEWR)

| | |
|------------------|------------------------------|
| Egg White | -If positive, reflex; |
| | Ovalbumin |
| | Ovomucoid |

PEANUT ALLERGY W/ REFLEX COMPONENT PANEL

(AGPTR)

Peanut

-If positive, reflex:

| | |
|-----------------------|-----------------------|
| Ara hypogaea 1 | Ara hypogaea 8 |
| Ara hypogaea 2 | Ara hypogaea 9 |
| Ara hypogaea 3 | |

RESPIRATORY REGION VIII

(AGRS8)

Alternaria alternata
Asp. fumigatus
Bermuda Grass
Cat Dander
Clad. herbarum
Cockroach
Common Ragweed
Cottonwood
Derm. farinae
Derm. pteronyssinus
Dog Dander
Elm
Helm. Halodes
Hickory/Pecan Tree
Maple (Box Elder)
Mountain Cedar
Mouse
Oak
Penicillium notatum
Rough Marsh Elder
Rough Pigweed
Russian Thistle
Sycamore
Timothy Grass
Total IgE
Walnut Tree
White Ash
White Mulberry

MILK ALLERGY COMPONENT PANEL

(AGMKP)

| | |
|---------------------------|---------------|
| Alpha-Lactalbumin | Casein |
| Beta-Lactoglobulin | |

MILK ALLERGY W/ REFLEX COMPONENT PANEL

(AGMKR)

| | |
|-------------|------------------------------|
| Milk | -If positive, reflex; |
| | Alpha-Lactalbumin |
| | Beta-Lactoglobulin |
| | Casein |

1. National Heart, Lung, and Blood Institute. Expert Panel Report 3: Guidelines for the Diagnosis and Management of Asthma. Full Report 2007. 2. Siles RI, Hsieh FH. Allergy blood testing: A practical guide for clinicians. Cleve Clin J Med. 2011;78(9):585-592. 3. Heinzerling L, Mari A, Bergmann KC, et al. The skin prick test - European standards. Clin Transl Allergy. 2013;3(1):3. Published 2013 Feb 1. doi:10.1186/2045-7022-3-3. 4. Wickman M. When allergies complicate allergies. Allergy. 2005;60 (Suppl 79):14-18. 5. Matsui, E, et al. Indoor Environmental Control Practices and Asthma Management. Pediatrics. 2016;138(5):e20162589. 6. PhadiaTM ImmunoCAPTM Specific IgE Directions for Use for the Phadia 250 Laboratory System. Issued October 2019. 7. Ciprandi, G, et al. Characteristics of patients with allergic polysensitization; the polismail study. Eur Ann Allergy Clin Immunol. 2008;40 (3):77-83.