

ImmunoCAP™ Specific IgE Testing



Available at Boulder Community Hospital

Boulder Community Hospital 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.

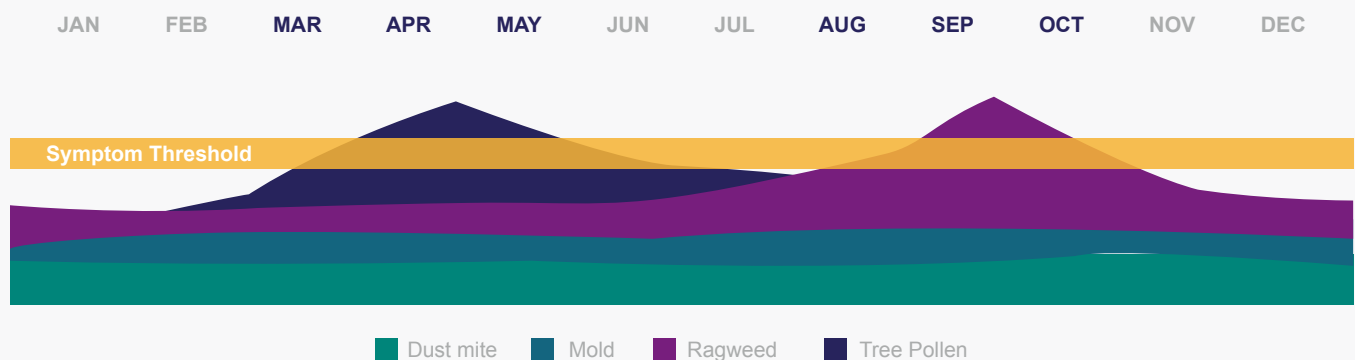
Allergen Components

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.

REGION XI RESPIRATORY PANEL (LAB2702)

Includes IgE testing for:

- Total IgE
- Cat Dander
- Dog Dander
- Bermuda Grass
- Timothy Grass
- Common Ragweed
- Mugwort
- Russian Thistle
- Common Pigweed
- Sheep Sorrel
- Box Elder
- Grey Alder
- Mountain Juniper
- Oak
- Elm
- Cottonwood
- Mulberry
- Penicillium chrysogenum
- Cladosporium herbarum
- Aspergillus fumigatus
- Alternaria alternata
- German Cockroach
- D. pteronyssinus
- D. farina

MULTIPLE INHALANT SCREEN (LAB1175)

Includes IgE testing for:

- Total IgE
- Cat Dander
- Horse Dander
- Dog Dander
- Goose Feathers
- Bermuda Grass
- Cocksfoot
- Johnson Grass
- Western Ragweed
- Mugwort
- Goosefoot
- Russian Thistle
- Common Pigweed
- Rough Marshelder
- Firebush (Kochia)
- Plantain
- Cocklebur
- Alfalfa
- Scale
- Sheep Sorrel
- Box Elder
- Common Silver Birch
- Mountain Juniper
- Oak
- Elm
- Cottonwood
- White Pine
- White Ash
- Penicillium chrysogenum
- Cladosporium herbarum
- Aspergillus fumigatus
- Candida albicans
- Alternaria alternata
- Mucor racemosus
- Setomelanomma rostrata
- Fusarium proliferatum
- American Cockroach
- D. pteronyssinus
- D. farinae

ROCKY MOUNTAIN ALLERGY PANEL (LAB2717)

Includes IgE testing for:

- Total IgE
- Cat Dander
- Dog Dander
- Bermuda Grass
- Timothy Grass
- Common Ragweed
- Russian Thistle
- Firebrush (Kochia)
- Sheep Sorrel
- Common Silver Birch
- Oak
- White Pine
- Cedar
- Spruce
- Douglas Fir
- Penicillium chrysogenum
- Cladosporium herbarum
- Aspergillus fumigatus
- Alternaria alternata
- German Cockroach
- D. pteronyssinus
- D. farina

CHILDHOOD DISEASE ALLERGENS (LAB2478)

Includes IgE testing for:

- | | |
|-----------------------|------------|
| Total IgE | Egg White |
| Cat Dander | Cow's Milk |
| Dog Dander | Cod |
| Cladosporium herbarum | Wheat |
| Alternaria alternata | Peanut |
| German Cockroach | Soybean |
| D. pteronyssinus | Shrimp |
| D. farinae | Walnut |

PEANUT ALLERGEN PANEL (LAB3232)

Peanut Allergen Panel includes:

- | | |
|------------------|------------------|
| Ara h 1 (Peanut) | Ara h 8 (Peanut) |
| Ara h 2 (Peanut) | Ara h 9 (Peanut) |
| Ara h 3 (Peanut) | Profilin |
| Ara h 6 (Peanut) | |

MILK IGE WITH REFLEX MILK ALLERGEN PANEL (LAB586)

If reflexed, Milk Allergen Panel

Includes:

- Lactalbumin
- Lactoglobulin
- Casein

FOOD ALLERGY PANEL (LAB2388)

Includes IgE testing for:

- | | |
|------------|-------------|
| Egg Whites | Soybean |
| Milk (Cow) | Shrimp |
| Cod | Clam |
| Wheat | Walnut |
| Corn Food | Scallop |
| Peanut | Sesame Seed |

TREE NUT PANEL (LAB2753)

Tree Nut Panel includes IgE testing for:

- | | |
|-----------|------------|
| Total IgE | Hazel Nut |
| Peanut | Pine Nut |
| Pecan | Brazil Nut |
| Cashew | Almond |
| Pistachio | Coconut |
| Walnut | Chestnut |

EGG WHITE, IGE WITH REFLEX EGG WHITE ALLERGEN PANEL (LAB588)

If reflexed, Egg White Allergen Panel includes:

- Ovalbumin
- Ovomucoid

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 polismal study. Eur Ann Allergy Clin Immunol. 2008;40 (3):77-83.