

## BioReference offers ImmunoCAP Specific IgE Testing Profiles

ImmunoCAP® Specific IgE testing is a simple blood test that aids in identifying specific environmental and/or food allergens that are contributory to allergic disorders. Anyone presenting with allergy like symptoms is a candidate for specific IgE blood testing, and National Institute of Health (NIH) guidelines recommend allergy testing for at least those patients that are on daily medication for their asthma symptoms.<sup>1</sup>

### SPECIFIC IGE BLOOD TESTING CAN EASILY BE PERFORMED IRRESPECTIVE OF:<sup>2,3</sup>

- Patient age<sup>5</sup>
- Skin condition
- Medication
- Disease activity
- Pregnancy status

### ALLERGEN COMPONENTS

ImmunoCAP Specific IgE Allergen Component tests measure specific IgE antibodies to specific allergens in serum or plasma. There are eight major food allergens: milk, eggs, fish, crustacean shellfish, tree nuts, peanuts, wheat and soybeans. 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 reaction<sup>6</sup>, and more.

### WHOLE ALLERGEN

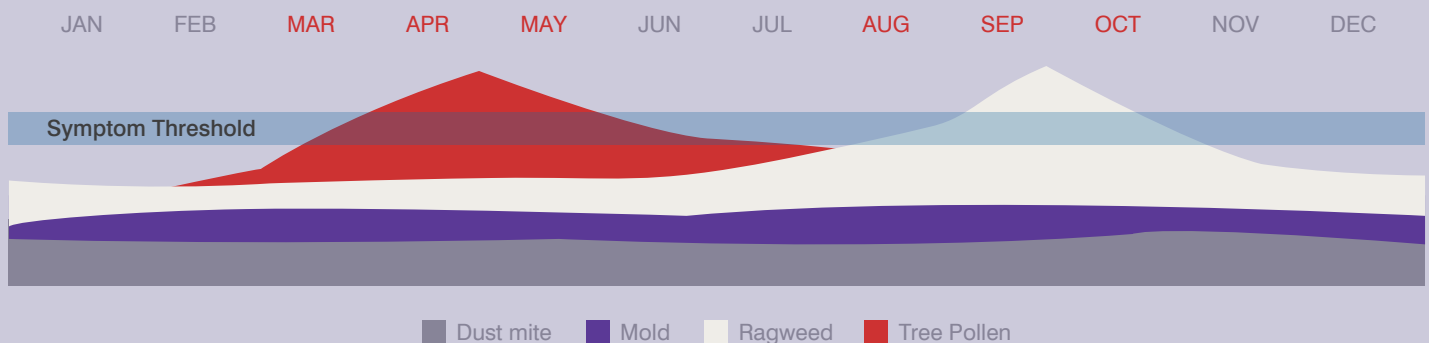
ImmunoCAP Total IgE measures the total amount of circulating IgE in the blood. Total IgE levels are an aid to healthcare professionals in diagnosing IgE associated allergic disorders. More than 550 whole allergens and mixes, including environmental and food triggers, are available for testing.<sup>5\*</sup>

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

### THE SYMPTOM THRESHOLD

Up to 90 percent of patients with allergies are sensitized to more than one allergen.<sup>7</sup> The effect is cumulative: patient may have a number of triggers, which when combined, may lead to symptoms.<sup>4</sup> 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

## TEST BENEFITS

- ImmunoCAP profiles can improve the ability to assess risk for systemic allergic reactions, leading to more targeted treatment and/or guidance for specialist referrals.
- Full color report clearly identifies patient's sensitization to each specific allergen.
- Treatment management tools (such as previous test results and highlighted abnormalities on the test report) promote patient engagement and treatment compliance.

With ImmunoCAP testing, you have the necessary information to help evaluate your patient's risk of potential reaction. See below for test options available at BioReference.

### Respiratory Profiles\*

Regional Respiratory Profiles target environmental allergens specific to the region.

**Specimen Requirements:** 2 Full SSTs

**Storage Instructions:** Refrigerate

**Turnaround Time:** 3 Days\*\*

Region 1	<b>6823-9</b>
Region 2	<b>6824-7</b>
Region 3	<b>6825-4</b>
Region 4	<b>6826-2</b>
Region 10	<b>6827-0</b>
Region 11	<b>K908-4</b>
Region 12	<b>6828-8</b>
Region 13	<b>6820-5</b>
Region 14	<b>6821-3</b>
Region 17	<b>6822-1</b>

### Food Allergy Profile with Reflex to Milk and Peanut\*

**Test Code:** K361-6

**Specimen Requirements:** 2 Full SSTs

**Storage Instructions:** Refrigerate

**Turnaround Time:** 3 Days\*\*

*If sensitization occurs for milk or peanut in Childhood Allergy Panel, then component testing for the allergen(s) will be performed*

<b>Peanut</b>	Peanut Ara H1 Peanut Ara H2 Peanut Ara H3 Peanut Ara H6 Peanut Ara H8 Peanut Ara H9
<b>Milk</b>	Alpha Lactalbumin Allergen IgE Beta Lactoglobulin Allergen IgE Casein Allergen IgE

### Food Profiles\*

**Test Code:** K426-7

**Specimen Requirements:** 2 Full SSTs

**Storage Instructions:** Refrigerate

**Turnaround Time:** 3 Days\*\*

CAP CODE	ALLERGEN TYPE	INDIVIDUAL TEST CODE
f1	Egg white	<b>0671-8</b>
f2	Cow's milk	<b>0672-6</b>
f3	Cod fish	<b>0840-9</b>
f4	Wheat	<b>0673-4</b>
f10	Sesame	<b>0936-5</b>
f13	Peanut	<b>0674-2</b>
f14	Soybean	<b>0680-9</b>
f17	Hazelnut	<b>1404-3</b>
f20	Almond	<b>0815-1</b>
f24	Shrimp	<b>0696-5</b>
f40	Tuna	<b>0698-1</b>
f41	Salmon	<b>0714-6</b>
f202	Cashew	<b>1412-6</b>
f256	Walnut	<b>1479-5</b>
f338	Scallop	<b>2543-7</b>
Total IgE		<b>0996-9</b>

### Childhood Allergy Profiles\*

**Test Code:** K726-0

**Specimen Requirements:** 2 Full SSTs

**Storage Instructions:** Refrigerate

**Turnaround Time:** 3 Days\*\*

CAP CODE	ALLERGEN TYPE	INDIVIDUAL TEST CODE
d1	D. pteronyssinus	<b>0715-3</b>
d2	D. farinae	<b>1372-2</b>
e1	Cat dander	<b>0665-0</b>
e5	Dog dander	<b>0664-3</b>
e72	Mouse urine	<b>1360-7</b>
f1	Egg white	<b>0671-8</b>
f2	Milk	<b>0672-6</b>
f3	Cod fish	<b>0840-9</b>
f4	Wheat	<b>0673-4</b>
f13	Peanut	<b>0674-2</b>
f14	Soybean	<b>0680-9</b>
f24	Shrimp	<b>0696-5</b>
f256	Walnut	<b>1479-5</b>
i6	Cockroach	<b>0716-1</b>
m2	Cladosporium herbarum	<b>0661-9</b>
m6	Alternaria alternate	<b>0660-1</b>
Total IgE		<b>0996-9</b>

## REFERENCES

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

\*Allergens can be ordered individually, or as panel with or without reflex options. Any tests ordered must be medically necessary for treatment or diagnosis. For Medicare/Medicaid patients, individual tests must be ordered.

\*\*TAT is based upon receipt of the specimen at the laboratory, except in circumstances beyond our control.