

LABCORP ALLERGY PROFILES

It Takes Two: Respiratory and Food Allergen Profiles

Labcorp's respiratory and food allergen profiles use ImmunoCAP™ specific IgE allergy testing, the “gold standard” for allergy blood testing.¹ Specific IgE test results can help support an allergy diagnosis, determine sensitization and/or help rule out allergy altogether.

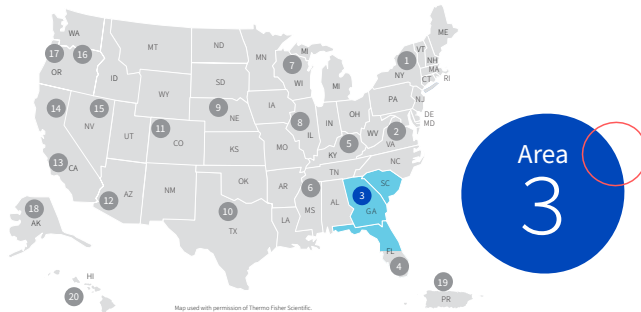
Ruling out allergic sensitization may reduce worry and unnecessary medication. These tests can help with trigger avoidance, tailored education, management considerations and appropriate referrals.²



Area 3: Regional Respiratory Profile with Pet Allergen Component Reflex

Accurate Diagnosis—Foundational for Treatment Efficacy and Disease Control

Respiratory allergies are frequently diagnosed on history and physical examination alone. This approach may only be accurate about 50% of the time.³ Given the prevalence of coexistent asthma with allergic rhinitis, diagnosing on history and exam alone may lead to suboptimal outcomes, including unmanaged symptoms, repeat office visits, unnecessary use of antihistamines and unneeded referrals.⁴



Pet Allergen Component Reflex Testing—For Enhanced Management

- Labcorp's area-specific respiratory profiles with pet allergen component reflex include the most common categories of pollens (e.g., grass, trees and weeds) per region and indoor allergens including mold, dust mites, insect emanations and pet components.⁵
- Automatic reflex testing to cat and dog pet allergen components occurs when the whole allergen test indicates sensitization to an allergen.
- Risk for and severity of respiratory diseases increases with the number of pet allergen components to which a person is sensitized. The pet allergen reflex provides a clearer picture of a person's allergic sensitization pattern at the component level and can help enhance management strategies.^{6,7,8}

Area 3: Regional Respiratory Profile with Pet Allergen Component Reflex Overview

Test Name	Test No.	Method	Specimen Requirements
Allergen Profile with Total IgE and with Component Reflexes, Respiratory — Area 3 (GA, North FL, SC)	607100	Thermo Fisher ImmunoCAP™ Specific IgE	3.5 mL serum (room temperature)
Tree Birch, Common Silver Cedar, Mountain Elm, American Maple/Box Elder Oak, White Pecan, Hickory	Weed Nettle Pigweed, Common Ragweed, Short Sheep Sorrel	Grass Bahia Grass Bermuda Grass Timothy Grass	Mold <i>Alternaria alternata</i> <i>Aspergillus fumigatus</i> <i>Cladosporium herbarum</i> <i>Penicillium chrysogenum</i>
Animal/Dust Cat Dander Cockroach, German <i>D farinae</i> <i>D pteronyssinus</i> Dog Dander Mouse Urine			
*If cat IgE ≥ 0.35 kU/L, reflex tests Fel d 1 IgE, Fel d 2 IgE, Fel d 4 IgE will be added. If dog IgE ≥ 0.35 kU/L, reflex tests Can f 1 IgE, Can f 2 IgE, Can f 3 IgE, Can f 5 IgE will be added. If reflex testing is performed, additional charges/CPT codes may apply.			

Labcorp Food Allergen Profile

Common Food Allergens

Adverse reactions to foods may be broadly grouped into two categories: immune mediated (e.g., food allergy, celiac) and nonimmune mediated (e.g., lactose intolerance).^{9,10} Symptom overlap among conditions within these two broad groups may challenge an empiric diagnosis.^{9,10}

When approaching suspected food allergy, it is important to note:¹¹

- Self-reported food allergy is more common than confirmed allergy
- Food allergy is more common in children
- Food allergy is more common in people with other atopic diseases
- A small number of allergens cause a high percentage of food allergy

To aid in a differential diagnosis, expert guidelines recommend a detailed medical history and physical exam to help identify suspected foods to guide diagnosis, followed by testing focused on those suspected foods.^{10,11}

Labcorp Food Allergen Profile with Component Reflex Testing

Our food allergen profiles include the top nine food groups that cause the majority of reactions:

- Milk
- Peanut
- Shellfish
- Wheat
- Soy
- Egg
- Tree nuts
- Fish
- Sesame

Automatic Reflex:

- When the whole allergen test is positive, it will automatically reflex test milk, egg, peanut and/or tree nut components. This helps to identify a person's risk for a systemic reaction versus a milder or more localized response and allow for a comprehensive management plan.¹²



Allergen Profile, Food IgE II with Component Reflex Overview

Test Name	Test No.	Method	Specimen Requirements
Allergen Profile, Food IgE II with Component Reflexes*	604783	Thermo Fisher ImmunoCAP™ Specific IgE	4.0 mL serum (room temperature)
Almond Brazil Nut Cashew Nut Clam	Codfish Corn Egg White	Hazelnut (Filbert) Macadamia Nut Milk	Peanut (Whole) Pecan Pistachio
		Scallop Sesame Seed Shrimp	Soybean Walnut Wheat
<p>*If milk IgE ≥ 0.35 kU/L, reflex tests α-lactalbumin IgE, β-lactoglobulin IgE, and casein IgE will be added. If egg white IgE ≥ 0.35 kU/L, reflex tests ovalbumin IgE and ovomucoid IgE will be added. If IgE to Brazil nut, cashew nut, hazelnut (filbert), peanut (whole), and/or walnut is ≥ 0.10 kU/L, reflex tests will be added as follows: Brazil nut: Ber e 1 IgE / cashew nut: Ana o 3 IgE / hazelnut (filbert): Cor a 1 IgE, Cor a 8 IgE, Cor a 9 IgE, and Cor a 14 IgE / peanut (whole): Ara h 1 IgE, Ara h 2 IgE, Ara h 3 IgE, Ara h 6 IgE, Ara h 8 IgE, and Ara h 9 IgE / walnut: Jug r 1 IgE and Jug r 3 IgE. If reflex testing is performed, additional charges/CPT codes may apply.</p>			

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Visit the online test menu at **Labcorp.com** for additional test options and full test information, including CPT codes and specimen collection instructions.



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