

Advantages of blood allergy test

- No long-lasting irritating skin reactions
- No risk of severe allergic reactions
- No need to discontinue allergy medications prior to testing
- Allows any physician to diagnose and manage allergic diseases regardless of specialty
- High specificity and sensitivity with rapid test turn-around time

Food 24 Profile:

Milk	Crab
Egg, Whole	Shrimp
Codfish	Coffee
Wheat	Chocolate
Rye	Garlic
Oat	Tomato
Cheese, Mold	Potato
Baker's Yeast	Corn
Cashew	Onion
Sesame Seed	Chicken
Peanut	Lamb
Soybean	Pork

Respiratory Zone 3 (PA OH WV):

IgE, Total
Dermatophagoides Pteronyssinus
Dermatophagoides Farinae
Cat Dander
Dog Dander
Bermuda Grass
Rye Grass
Timothy Grass
Kentucky Blue
Cockroach
Penicillium Nnotatum
Cladosporium Herbarum
Aspergillus Fumigatus
Mucor Racemosus
Alternaria Tenuis
Stemphylium Botryosum
Maple
Birch
Mountain Cedar
Oak
Elm
Sycamore
White Hickory
White Mulberry
Locust Tree
Common Ragweed
Mugwort
English Plantain
Lamb's Quarters
Rough Pigweed
Sheep Sorrel
Nettle

Allergen Respiratory Zone 3 Profile Allergen Food 24 Profile Immunoglobulin E, Total (IgE)



How are allergies tested?

- From an SST tube, third generation allergy testing by automated enzyme-enhanced chemiluminescent signal detection.

What are common cures after identifying an allergen?

- Control house dust with filters;
- Avoid allergy-causing foods;
- Limit outdoor activities during heavy pollen periods;
- Minimize exposure to certain animals;
- Prescribed medication;
- Immunotherapy.

Med Health Services Laboratory is pleased to introduce **TOTAL IGE, ALLERGEN RESPIRATORY ZONE 3 PROFILE AND ALLERGEN FOOD 24 PROFILE**. These 3gAllergy™ assays performed by Med Health Services Lab are third-generation allergen-specific IgE tests that aid physicians in diagnosis and early treatment for allergies. These tests were designed based on our region (PA, OH & WV) and test for the most common respiratory and food allergens, delivering fast, reliable results to help physicians identify, monitor, and manage patients with allergic diseases. It is a simpler alternative to the traditional skin prick test and poses no risk of a severe reaction. Moreover, rapid 3gAllergy™ testing allows any physician of any specialty to diagnosis and manage patients with allergic diseases.

Fifty-million Americans have allergies and 22 percent of the population is affected throughout the rest of the world. While many patients have allergy symptoms, only a small number are tested to see what causes them. And yet, the potential for allergies to progress to asthma has been well documented. Among the most common types are pollen, dust mites, pets, mold, and food—all of which patients can have reactions to for the first time as an adult, often causing shortness of breath, skin irritation, fatigue, sleep disturbance, and mental foginess. Accurate diagnosis of these allergies may be critical to forming a plan of care for these patients.

Immunoglobulins of the IgE class play an important role in mediating the atopic reactions that occur when sensitive individuals are exposed to allergens. The majority of IgE molecules in serum are bound to the surface of mast cells and basophilic granulocytes. The interaction of allergens with the cell-bound allergen-specific IgE causes these cells to release histamines and other vasoactive substances, thereby initiating the allergic reaction. Approximately 50% of individuals with allergic rhinitis or asthma will have elevated levels of IgE;¹ however, a large number of individuals with allergy and elevated levels of IgE to specific allergens will have normal levels of total IgE. As such, evaluation of Total IgE in conjunction with testing for Specific IgE Allergens has been proven to be useful in properly diagnosing and managing allergic diseases.

