

At Dunwoody Labs, we understand that identifying the root cause of health issues not only can treat symptoms, but may reduce unnecessary prescription drug treatment and increase the quality of life.

Many conditions and diseases can be unearthed by testing just a few very basics markers.

Looking at the body's immune system along with the types of food we eat can provide a diagnostic outline for health and healing.

Full Solution Testing Services, Other Dunwoody Panels:

- Comprehensive Wellness Screen
- Adrenal Stress Test
- Neurotransmitters
- sIgA Food Response
- Oxidative Stress Testing



Dunwoody Labs

Not just an immune response, but an **immune system.**

Dunwoody Labs
www.DunwoodyLabs.com

9 Dunwoody Park, 121,
Dunwoody, GA 30338
678-736-6374

The Importance of IgE and IgG4:

- IgE (immunoglobulin E) allergies are immediate responses to a foreign substance that has entered the body via food or inhalation. Our Dietary Antigen Test focuses on foods. IgE allergies can cause very serious symptoms like difficulty breathing, swelling, and hives.
- IgG4 (immunoglobulin G subtype 4) is another antibody produced in the body to fight infection. IgG4 is used in allergy therapies to help neutralize the reaction of IgE because of its potential to decrease histamine responses by blocking IgE from attaching to receptors.
- Too much IgG4 also causes immune-mediated conditions, known as IgG4-RD, that typically affect multiple organ systems in the body. For these reasons, it's important to know the levels of IgG4 in the body so as to be able to maintain a correct balance.

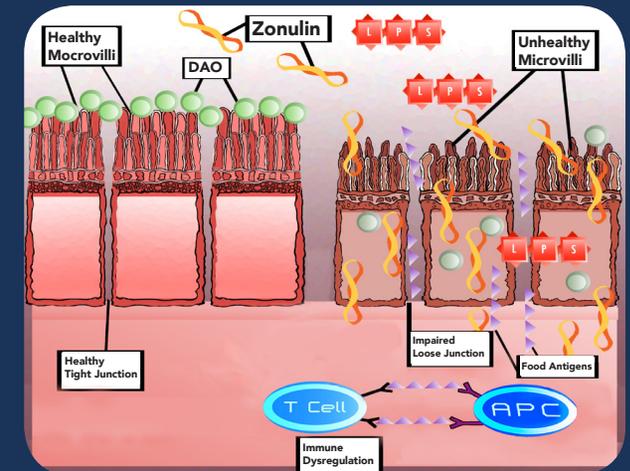


The Importance of IgG and C3d:

- IgG (immunoglobulin G, total) are antibodies that provide long-term resistance to infections and have a much longer half-life than the traditional IgE allergy.
- Sensitivity symptoms range from headache and nausea to seizure and hyperactivity, or simply just fatigue, bloating, mood changes, or dark circles under the eyes.
- The complete elimination of IgG positive foods may bring about important improvements in symptoms of irritable bowel syndrome, autism, ADHD, cystic fibrosis, rheumatoid arthritis, and epilepsy, as demonstrated in numerous clinical studies.
- C3d (complement component 3) is a protein of the innate immune system that is activated by microorganisms in the absence of an antibody.
- When C3d is activated in response to an antigen, the C3 portion attaches to the antigen. This activation, even though it is independent, will amplify the reaction that occurs with total IgG greatly increasing inflammation and symptoms of sensitivity.

The Health of the Lining of Your Intestines:

- The AIBA (Advanced Intestinal Barrier Assessment) test provides a baseline for gut health so your physician knows where to go with your health plan.
- The test lets you know if you have intestinal permeability or "leaky gut syndrome." Leaky Gut means your intestinal lining is not tight and therefore is allowing food particles to pass into the body.



- This test looks at Diamine Oxidase, an enzyme that breaks down histamine in the body, as well as an indicator of healthy microvilli. The panel also tests for dysbiosis, a microbial imbalance, by looking at LPS antibody levels.
- Dysbiosis in the gut along with just a few years of stress, antibiotics, soda, coffee, alcohol, and sugar thin the lining of the gut. Intestinal permeability, more often than not, is the underlying cause of many autoimmune conditions.

Blocking Potential

IgG4 CONCENTRATION (ng/ml)		IgG4 CLASS		BLOCKING POTENTIAL
Allergen	231	4	✓	
Range Values	121	3		

IgE CONCENTRATION (ng/ml) IgE CLASS
= No Symptoms

When IgG4 reaction is greater than the IgE reaction for a particular antigen, IgG4 blocks the IgE antibodies from binding to the receptor sites and releasing histamine thereby reducing severity of the symptoms associated with the IgE reaction. We refer to this as the blocking potential.