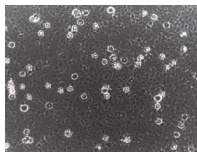




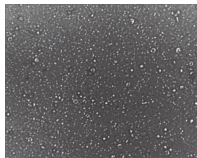
What Are The Causes Of Chronic Disease And Autoimmunity?



**Cells Speak...
We Listen**



Reactive



Non- Reactive

The Lymphocyte Response Assay (LRA) by ELISA/ACT®, developed by ELISA/ACT Biotechnologies LLC (EAB), makes it possible to examine the general health of a patient's immune system by monitoring delayed hypersensitivity responses to over 500 common substances. The tests identify reactive substances, which may be provoking the patient's chronic condition. Patients are also provided a personalized treatment plan to help eliminate these sensitivities and restore overall health.

One of the major advancements in medicine in recent years has been our expanded understanding of the immune system and its far broader and more important role in general health and wellness. Initially, it was thought that our immune system was only involved in defending our bodies against threatening agents such as bacteria, viruses, and environmental "invaders". Medical science has now come to recognize that the immune system has defense as well as repair capabilities. The defense component of the immune system fights off the "invaders" that create disease, while the repair component plays an important role in restoring tissue and organs from damage that the disease state may have caused. If either the defense or repair function becomes overburdened or overstressed, immune dysfunction and disease may result.

Recent studies have shown that when the defense elements or lymphocytes (type of white blood cells) of the immune system are burdened due to the effects of foreign antigens, the vital repair process suffers. Organs and tissue weaken over time, and the body's ability to fight off future assaults is reduced. The effect of immune system dysfunction can result in chronic inflammatory and autoimmune diseases that often defy treatment.

The most common assaults that pose the greatest burden to our immune system on a daily basis are digestive remnants and environmental antigens. By identifying these antigens and eliminating them from our exposure, the immune burden can be reduced or eliminated, allowing the defense and repair systems to return to optimal function. The result is improved, sustainable health.

Scientific References

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9. Jaffe R. Autoimmunity: Clinical Relevance of Biological Response Modifiers in Diagnosis, Treatment, and Testing, Part II. *Intl J Integrative Med* 2000; 2(4):58-65.

Note: For additional literature, please contact EAB's Client Services Department at 800.553.5472.

How Is LRA by ELISA/ACT™ Testing Unique?

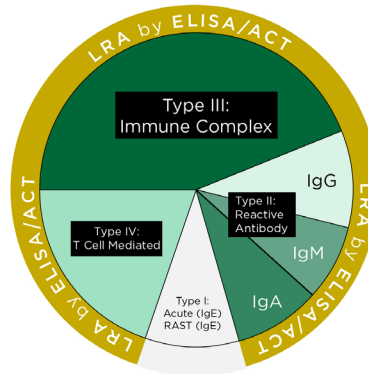
LRA by ELISA/ACT tests are the first and only blood tests that provide a **complete** evaluation of the body's delayed immune response. A special blood drawing system, combined with simple patient test preparation instructions, prevents activation of lymphocytes prior to analysis. ELISA/ACT receives the patient's one-ounce blood sample within 24 hours and analyzes it promptly.

LRA by ELISA/ACT tests are:

Comprehensive- The only test that detects all 3 delayed allergy pathways (Type II, Type III, and Type IV) and offers the most items for testing.

Functional- Identifying only symptom provoking reactive substances, not merely the presence of antibodies, which can be harmful or protective.

Ex-vivo- The unique ex vivo system tests the lymphocytes as though they are still in the bloodstream being exposed to foreign invaders, thereby, providing highly specific and accurate information.



This complete assessment of delayed reactions is useful to patients and physicians in developing a cost-effective, individualized treatment plan to improve the patient's overall health.

LRA by ELISA/ACT vs Other Delayed Allergy Tests

LRA by ELISA/ACT tests: LRA tests look directly at lymphocytes and only those items that cause reactions are identified.

LRA vs Antibody tests (IgG, IgG4): IgG tests measure the presence and amount of antibodies to certain items. By not distinguishing between symptom provoking and protective antibodies however, these tests produce many false positives, making it more difficult for patients to comply with the program. In contrast, the LRA by ELISA/ACT method identifies only reactive lymphocytes, providing the most accurate and specific results possible.

LRA vs Cytotoxic (or Cell Size) Tests: Cytotoxic or cell size tests use a device to detect and count particles in the blood that are over a particular size (10 microns). Unfortunately, reactive lymphocytes are not the only particles that are detected using this method and therefore the method produces low accuracy and reproducibility. The LRA by ELISA/ACT tests report on observable lymphocyte reactions only, producing accurate, specific and reproducible results.

LRA Success Stories

"In the past decade of my practice, I have been using the elimination/provocation test, when appropriate, combined with the LRA by ELISA/ACT...In my opinion and experience, this is the state-of-the-art in food sensitivity detection."

Zoltan P. Rona, MD

Toronto, Ontario, Canada

from Return to the Joy of Health, p. 69

"I have found LRA by ELISA/ACT to be the most accurate and cost-effective means of detecting delayed hypersensitivities. The program provides the most powerful tool for health regeneration that I have encountered for patients with chronic immune conditions such as fibromyalgia, diabetes, arthritis, and multiple sclerosis, to name a few."

Susan E. Brown, Ph.D., CCN

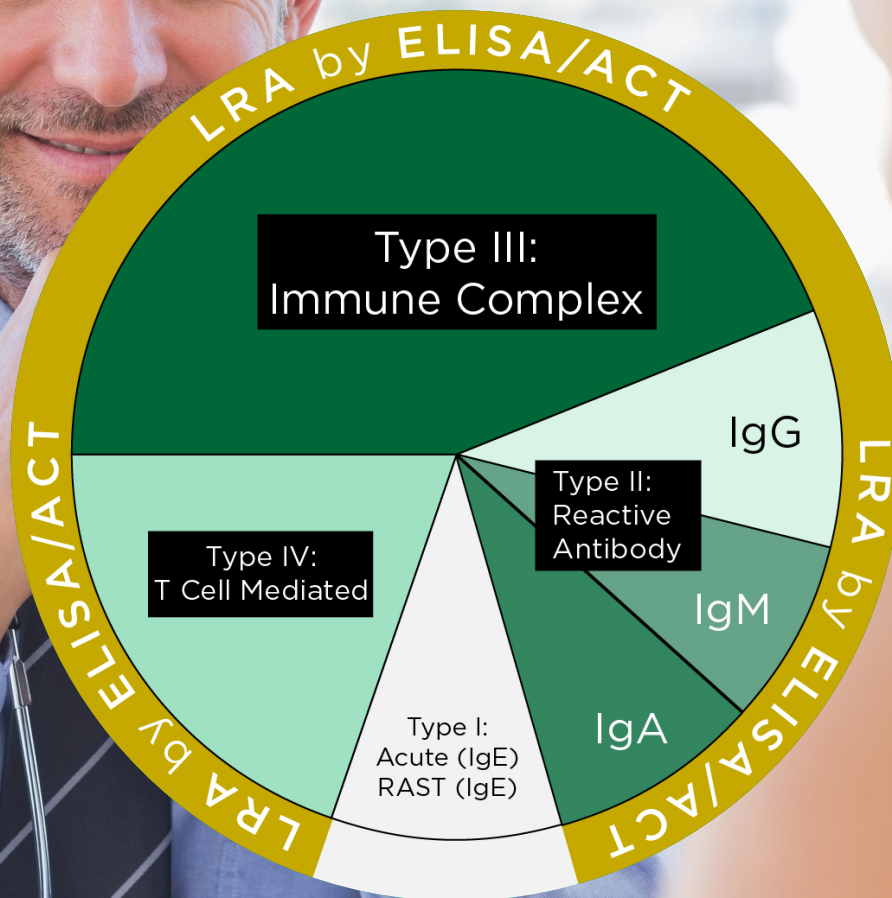
Author of Better Bones, Better Body

"I have worked with ELISA/ACT for the last 20 years and have found LRA by ELISA/ACT to be the most reliable and effective solution to solving my patients' chronic health conditions."

Norm Schwartz, MD

Milwaukee, WI

**FUNCTIONAL LYMPHOCYTE RESPONSE ASSAYS (LRA) BY ELISA/ACT
ARE ABLE TO DETECT ALL DELAYED ALLERGY RESPONSES**



LRA by ELISA/ACT® is a true cell culture. Comprehensive, ex vivo, functional procedures have been proven in clinical outcome studies to provide superior, sustained improvements and long-term remissions in autoimmune and immune dysfunction conditions

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