WHAT ARE THE CAUSES OF CHRONIC DISEASE AND AUTOIMMUNITY?

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 recently 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 white blood cells (lymphocytes) of the immune system are mobilized against 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 be 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.

The Lymphocyte Response Assay (LRA) by ELISA/ACT®, developed by ELISA/ACT Biotechnologies LLC (EAB), makes it possible for physicians to examine the immune system’s general health by monitoring delayed hypersensitivity response of up to 450 common substances. The test can identify if an individual is reactive to these substances, which may be provoking his/her chronic condition. It also provides a personalized treatment plan to help eliminate these sensitivities and restore overall health.

HOW IS LRA BY ELISA/ACT TESTING DIFFERENT FROM RAST TESTS?

RAST (IgE) only detects immediate allergic reactions to about 100 dietary or environmental substances. This test is useful to assess hives, wheezing, or shock that may appear minutes after being exposed to a reacting food or chemical.

The LRA by ELISA/ACT are comprehensive and reliable tests able to identify the causes of delayed allergy/hypersensitivity reactions. These can occur from hours to weeks after exposure. This LRA can evaluate all three delayed hypersensitivity pathways, including Reactive Antibody, Immune Complex, and Cell Mediated. Because the LRA by ELISA/ACT is functional, it allows EAB to screen out protective antibodies and identify only those reactive and symptom-provoking responses to items tested. Most people do not realize they are reacting to these substances since the onset of symptoms does not occur quickly. For example, people may develop achiness hours to days after a food or chemical exposure. The LRA by ELISA/ACT measures sensitivities up to 450 items from the following general categories. A complete list of the items tested can be provided upon request.

- Foods
- Additives/Preservatives
- Environmental Chemicals and Toxic Minerals
- Molds
- Danders, Hairs, and Feathers
- Medications
- Therapeutic Herbs
- Food Colorings

WHAT ARE SOME OF THE SYMPTOMS OF IMMUNE-RELATED HEALTH PROBLEMS?

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<thead>
<tr>
<th>Muscle Aches</th>
<th>Joint Pain</th>
<th>Fatigue</th>
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<tbody>
<tr>
<td>Inflammation</td>
<td>Dizziness</td>
<td>Bloating/Water Weight</td>
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<td>Insomnia</td>
<td>Depression</td>
<td>Heart Palpitations</td>
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<tr>
<td>Migraine Headaches</td>
<td>Weight Management</td>
<td>Skin Rashes</td>
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<tr>
<td>Inflammatory Bowel Conditions</td>
<td>Sinus Conditions</td>
<td>Respiratory Conditions</td>
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HOW IS LRA BY ELISA/ACT TESTING UNIQUE?

Founded in 1984, EAB offers the first and only blood tests that provide a complete evaluation of the body’s delayed immune response. A blood drawing system is used that keeps lymphocytes and the sample from being activated before analysis. Prior to the blood draw, the patient must follow simple preparation instructions to ensure a proper blood sample. EAB receives the patient’s one-ounce blood sample within 24 hours and analyzes it promptly. The LRA by ELISA/ACT’s 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.

Within five to seven days, the physician receives the patient’s results plus an optional treatment guide with lifestyle and behavioral recommendations based on a health assessment questionnaire. This complete assessment of delayed reactions can be useful to the patient and the physician in developing a cost-effective, individualized treatment plan to improve the patient’s overall health.

WHAT IS INCLUDED IN THE PERSONALIZED TEST RESULTS?

- An accurate, detailed report identifying up to 450 substances as nonreactive, moderately reactive, and/or strongly reactive
- An easy-to-use guide explaining each reactive item, along with suggestions for substitutions
- Individualized nutritional supplement and behavioral recommendations based on the patient’s health assessment questionnaire completed prior to the test (if requested separately as part of the interpretation)
- A comprehensive Alkaline Way CD-ROM explaining the LRA by ELISA/ACT program and how to easily and effectively incorporate the program into the patient’s lifestyle

A Window of Opportunity to Repair and Restore Tolerance

To begin the repair process of the immune system, EAB recommends avoidance of the offending items for three to six months, depending on the severity of the reaction. After this period, the patient can slowly add these substances to his/her diet one at a time, usually without experiencing any symptoms. Upon following the LRA by ELISA/ACT program, it is likely that the patient will notice improvements in his/her health as soon as a few days or weeks. EAB also recommends a retest within a year to identify any new sensitivities and to evaluate the patient’s progress.

WHY ARE LRA BY ELISA/ACT TESTS THE RIGHT CHOICE?

Anyone with a chronic condition knows the cost and frustration of searching for causes and cures -- and not finding them. With LRA by ELISA/ACT’s proven testing and personalized treatment plans, a healthy and revitalized immune system can be achieved.

SCIENTIFIC REFERENCES


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

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