



ELISA/ACT Biotechnologies (EAB): Your Best Choice For Delayed Allergy Testing

For over 20 years, EAB has been providing the gold standard of revolutionary delayed allergy testing. *Only* EAB offers LRA by ELISA/ACT® tests that measure all delayed hypersensitivity paths with high precision, reproducibility, sensitivity, specificity, and predictive significance even in the most challenging cases. A recently published article in *Natural Medicine Journal* provides conclusive evidence that the reliability and reproducibility of particle or cell size testing (such as the testing performed by ALCAT) does not have a high degree of accuracy. The data from this article, along with EAB's independent research regarding our lymphocyte response assay's results for reproducibility and reliability, is outlined in the charts below. As evidenced by this valuable information, EAB's proven testing program offers the most advanced and reliable technology available along with the most accurate and comprehensive test results. EAB is clearly *your best choice* for delayed allergy testing. *See reverse side for additional information about EAB's unique benefits.*

Split Samples	*Lymphocyte Response Assay [ELISA/ACT Biotechnologies] (# of foods out of 236 tested)	Cell Size Method [ALCAT] (# of foods out of 50 tested)	IgG ELISA Method [Immunolabs, Genova, US Biotek] (# foods out of 96 tested)
Identical Results	97.6% (235)	34% (17)	95% (91)
1 Reactivity Difference	2.4% (1)	28% (14)	5% (5)
2 Reactivity Difference	0%	10% (5)	0%
3 Reactivity Difference	0%	28% (14)	0%

*LRA by ELISA/ACT data is represented by three samples. The results reflect an average of the three samples.

Note: Data shown for LRA by ELISA/ACT (in green) was compiled by EAB and not part of the research represented in *Natural Medicine Journal*.

Over a 1-Week Period	*Lymphocyte Response Assay <i>Functional tests!</i> [ELISA/ACT Biotechnologies] (# of foods out of average of 95 tested)	Cell Size Method [ALCAT] (# of foods out of 50 tested)	IgG ELISA Method Serum <i>Non-functional tests!</i> [Immunolabs, Genova, US Biotek] (# foods out of 96 tested)
Identical Results	89.3% (84)	2% (1)	82% (79)
1 Reactivity Difference	10.7% (10)	12% (6)	17% (16)
2 Reactivity Difference	No Differences!	26% (13)	1% (1)
3 Reactivity Difference	No Differences!	60% (30)	0%

Note: Antibody quantitations (IgG) are static tests. This means they look for the presence or absence and amount, but not action or function of the antibody. For example, an antibody can be neutralizing and protective (beneficial) or can be complement activating and reactive (symptom provoking). A serum ELISA procedure for antibody quantitation (IgG) is not designed to distinguish function and therefore detects both beneficial and reactive antibodies. In contrast, a functional lymphocyte response assay (like EAB's LRA by ELISA/ACT) detects only complement activating, reactive antibodies since lymphocytes are not activated by protective, neutralizing antibodies.

Reference: Hodsdon W and Zwickey H. NMJ Original Research: Reproducibility and Reliability of Two Food Allergy Testing Methods. *Nat Med J* 2010; 2(3): 8-13.

For more information and a copy of the full research article, please contact EAB Client Services at 800.553.5472 or email clientservices@ELISA/ACT.com.

LRA by ELISA/ACT® Tests and Treatment Plans: Highest quality tests. Best results. Lowest price.

Learn more about why EAB is the complete “**package deal.**” Our LRA by ELISA/ACT tests and treatment plans offer **more test items** than any other delayed allergy test, use the **most advanced technology** available, provide you with the greatest value at **less than \$1.85 per test item**, and include comprehensive **interpretations and treatment guides!**

Better results, better science, better value...LRA by ELISA/ACT.

Lab Name	EAB	ALCAT	Sage	Immuno-Labs
Number of Items Tested	Over 450	270	132	154
Average Price per Item	\$1.77	\$2.00	\$21.00	\$4.74
Rotation Diet with Consultation Available	Yes (No additional charge)	Yes (Extra additional charge applies)	No	No
All Delayed Pathways Tested	Yes	No	No	No

Only ELISA/ACT Biotechnologies Offers:

- Functional/Lymphocyte Response Assay (LRA)
- *Ex vivo* assay technique (better than *in vitro* ELISA tests)
- Tests all 3 delayed allergy (hypersensitivity) pathways - much more than IgG tests or ELISA IgG tests
- Over 450 test items, the most of any delayed allergy lab
- Average cost per item as low as \$1.77 each
- Most advanced and reliable technology available
- Patient-friendly, easy-to-follow test results
- Knowledgeable and dedicated staff

Contact our Client Services team today!
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