

PEANUT ZOOMER DEMO

Name: PEANUT ZOOMER DEMO
Date of Birth: 01-01-1111
Gender: Male
Age: 01
Height:
Weight:
Fasting: UNKNOWN

Telephone: 000-000-0000
Street Address:
Email:

FINAL REPORT

Accession ID: 2401016032

Provider Information

Practice Name: DEMO CLIENT, MD
Provider Name: DEMO CLIENT, MD
Phlebotomist: 0

Telephone: 000-000-0000
Address: 3521 Leonard Ct, Santa Clara, CA 95054

Report Information

Current Result Previous Result In Control Moderate Risk

Specimen Information

Sample Type	Collection Time	Received Time	Report	Final Report Date
Serum	2024-01-03 06:45 (PDT)	2024-01-04 11:20 (PDT)	Peanut Zoomer - P2	2024-01-12 16:18 (PDT)

SAMPLE



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TNP Test not performed

R&L Refer to risks and limitations at the end of report

Notes Refer to Lab notes at the end of the table

INTRODUCTION

Vibrant Wellness is pleased to present to you 'Peanut Zoomer', to help you make healthy lifestyle and dietary choices in consultation with your healthcare provider. It is intended to be used as a tool to encourage a general state of health and well-being. The Vibrant Peanut Zoomer is an array of Peanut antigens which offers very specific antibody-to-antigen recognition. The panel is designed to assess an individual's IgG and IgA sensitivity to these antigens at the peptide and protein level. Additionally, peanut allergy testing is also performed by checking for IgE antibodies against peanut.

Methodology:

The Vibrant Peanut Zoomer test is a semiquantitative assay that detects IgG, IgA, and IgE antibodies in human serum/DBS for peanut antigens with multiplexed chemiluminescence immunoassay methodology.

Interpretation of Report:

The summary score provided for Peanut Zoomer is a unified score calculated from the IgE, IgA and IgG reactivity of the individual to the respective antigens with higher weightage for IgE than IgA than IgG. Weightage is also assigned to the antigens based on their importance and abundance in the specific food that is tested. This considers the titer value even when the result may be in control. Additionally, the summary page summarizes the list of antigens with antibody titers that are outside the normal reference range.

This is followed by a complete list of all antigens tested including IgG, IgA and IgE antibody titers (as applicable for each analyte tested). Reference ranges have been established for adult population using 2000 healthy individuals. A classification of Green denotes a results that is within the normal reference range, the classification of Yellow denotes a result that is moderately elevated titer with respect to the reference range and the classification of Red denotes a result that is elevated with respect to the normal reference range. Vibrant utilizes proprietary reporter analysis which is designed to assay specific total IgG (subclasses 1, 2, 3, 4), total IgA (subclasses 1, 2) and total IgE antibodies. Additionally, the previous value (if available) is also indicated to help check for improvements every time the test is ordered.

The Vibrant Wellness platform provides tools for you to track and analyze your general wellness profile. Testing for Peanut Zoomer panel is performed by Vibrant America, a CLIA certified lab CLIA#:05D2078809. Vibrant Wellness provides and makes available this report and any related services pursuant to the Terms of Use Agreement (the "Terms") on its website at www.vibrant-wellness.com. By accessing, browsing, or otherwise using the report or website or any services, you acknowledge that you have read, understood, and agree to be bound by these terms. If you do not agree to these terms, you shall not access, browse, or use the report or website. The statements in this report have not been evaluated by the Food and Drug Administration and are only meant to be lifestyle choices for potential risk mitigation. Please consult your physician/dietitian for medication, treatment, or lifestyle management. This product is not intended to diagnose, treat, or cure any disease.


Please note:


It is important that you discuss any modifications to your diet, exercise, and nutritional supplementation with your physician before making any changes. Pediatric reference ranges have not been established for this test.

Allergen


No markers are outside the normal reference range

Peanut Zoomer

Peanut Score	Current	Previous	Result	Reference
Peanut Score	2.7			≤2.0

Cupin Family	Current	Previous	Result	Reference
Arachin IgG	2.3			≤2.0


Arachin is a member of the legumin-like globulins which accumulates as hexameric complexes consisting of four or six polypeptides. It is a major seed storage globulin protein in peanut. Glycinin accounts for more than 50% of globulin proteins. These globulins contain a high percentage of basic nitrogen when compared with the proteins of other seeds commonly used for food. Ara h 3 (described above) is considered one of the isoforms of glycinin proteins.⁹

Oleosin Family	Current	Previous	Result	Reference
Ara h 11 IgG	2.2			≤2.0



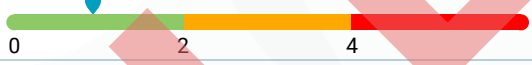















Ara h 11 (known as Oleosin 2¹⁴) is a minor antigen that acts as a plant structural protein of oil bodies in peanut seeds that stabilize oil bodies in oleosomes. Each oil body contains 1-4% oleosins, hence, in general, seeds and nuts with high lipid content will contain increased amounts of oleosins. They are unique proteins in plants. Ara h 11 has two isoforms, Ara h 11.0101 and Ara h 11.0102. There are different oleosin proteins available in hazelnut and sesame with structural similarities to peanut oleosins, thus peanut may cross react with hazelnut and sesame.¹²

Peanut Zoomer

Allergen

Test Name	Current	Previous	Result	Reference
Peanut IgE (kU/L)	<0.1			≤0.34

Peanut Zoomer

Cupin Family		Current	Previous	Result	Reference
Ara h 1	IgA	0.9			≤2.0
	IgG	1.2			≤2.0
Ara h 3	IgA	0.9			≤2.0
	IgG	1.4			≤2.0
Arachin	IgA	1.0			≤2.0
	IgG	2.3			≤2.0
Glycinin	IgA	0.8			≤2.0
	IgG	1.5			≤2.0
Prolamin Family		Current	Previous	Result	Reference
Ara h 2	IgA	1.3			≤2.0
	IgG	1.0			≤2.0
Ara h 6	IgA	0.9			≤2.0
	IgG	1.2			≤2.0
Ara h 7	IgA	0.9			≤2.0
	IgG	0.8			≤2.0
Ara h 9	IgA	1.3			≤2.0
	IgG	1.9			≤2.0
Profilin Family		Current	Previous	Result	Reference
Ara h 5	IgA	1.1			≤2.0
	IgG	1.8			≤2.0



Peanut Zoomer					
Bet V1 Family		Current	Previous	Result	Reference
Ara h 8 and Ara h 8 isoform	IgA	0.8			≤2.0
	IgG	1.6			≤2.0
Oleosin Family		Current	Previous	Result	Reference
Ara h 10	IgA	0.9			≤2.0
	IgG	1.5			≤2.0
Ara h 11	IgA	0.8			≤2.0
	IgG	2.2			≤2.0
Oleosin Variant A	IgA	0.8			≤2.0
	IgG	1.7			≤2.0
Oleosin Variant B	IgA	0.9			≤2.0
	IgG	1.5			≤2.0
Defensin Family		Current	Previous	Result	Reference
Ara h 12	IgA	0.7			≤2.0
	IgG	1.7			≤2.0
Ara h 13	IgA	0.8			≤2.0
	IgG	1.6			≤2.0

Risk and Limitations

This test has been developed and its performance characteristics determined by Vibrant America LLC., a CLIA certified lab. These assays have not been cleared or approved by the U.S. Food and Drug Administration. Vibrant Wellness provides additional contextual information on these tests and provides the report in a more descriptive fashion.

Allergen-specific IgE assays do not demonstrate absolute positive and negative predictive values for allergic disease. Clinical history must be incorporated into the diagnostic determination. Quantification of specific IgG, IgA antibodies is not an FDA- recognized diagnostic indicator of allergy.

Peanut Zoomer testing is performed at Vibrant America, a CLIA certified laboratory, and utilizes ISO-13485 developed technology. Vibrant America has effective procedures in place to protect against technical and operational problems. However, such problems may still occur. Examples include failure to obtain the result for a specific test due to circumstances beyond Vibrant's control. Vibrant may re-test a sample to obtain these results but upon re-testing the results may still not be obtained. As with all medical laboratory testing, there is a small chance that the laboratory could report incorrect results. A tested individual may wish to pursue further testing to verify any results.

The information in this report is intended for educational purposes only. While every attempt has been made to provide current and accurate information, neither the author nor the publisher can be held accountable for any errors or omissions. Tested individuals may find their experience is not consistent with Vibrant's selected peer reviewed scientific research findings of relative improvement for study groups. The science in this area is still developing and many personal health factors affect diet and health. Since subjects in the scientific studies referenced in this report may have had personal health and other factors different from those of tested individuals, results from these studies may not be representative of the results experienced by tested individuals. Further, some recommendations may or may not be attainable, depending on the tested individual's physical ability or other personal health factors. A limitation of this testing is that many of these scientific studies may have been performed in selected populations only. The interpretations and recommendations are done in the context of these studies, but the results may or may not be relevant to tested individuals of different or mixed ethnicities.

Vibrant Wellness makes no claims as to the diagnostic or therapeutic use of its tests or other informational materials. Vibrant Wellness reports and other information do not constitute medical advice and are not a substitute for professional medical advice. Please consult your healthcare practitioner for questions regarding test results, or before beginning any course of medication, supplementation, or dietary changes.

SAMPLE