NUT ZOOMER DEMO

Name: NUT 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: 2308020585

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	2023-08-02 00:00 (PDT)	2023-08-03 12:54 (PDT)	Nut Zoomer - P2	2023-08-14 15:47 (PDT)

VibrantWellness
3521 Leonard Ct, Santa Clara, CA 95054
1-866-364-0963 | support@vibrant-america.com | www.vibrant-america.com

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

Nut Zoomer

INTRODUCTION

Vibrant Wellness is pleased to present to you 'Nut 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 Nut Zoomer is an array of nut 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.

Methodology:

The Vibrant Nut Zoomer test is a semiquantitative assay that detects IgG and IgA antibodies in human serum/DBS for nut antigens with multiplexed chemiluminescence immunoassay (CLIA) methodology.

Interpretation of Report:

The summary score provided for Nut Zoomer is a unified score calculated from the IgA and IgG reactivity of the individual to the respective antigens with higher weightage for 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, and IgA antibody titers. 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) antibodies. Additionally, the previous value (if available) is also indicated to help check for improvements every time the test is ordered.

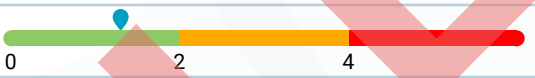
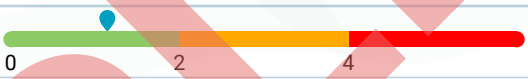
The Vibrant Wellness platform provides tools for you to track and analyze your general wellness profile. Testing for Nut Zoomer panel is performed by Vibrant America, a CLIA certified lab CLIA#:05D2078809. Vibrant Wellness provides and makes available this report and any related services pursuant to 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.

Nut Zoomer - Summary

Nut Zoomer

Nut Score	Current	Previous	Result	Reference
Almond Score	2.5			≤2.0
Walnut Score	2.7			≤2.0
Pistachio Score	3.4			≤2.0
Cashew Score	1.6			≤2.0
Brazil Nut Score	0.8			≤2.0
Pecan Score	1.4			≤2.0
Macadamia Nut Score	1.2			≤2.0

Almond		Current	Previous	Result	Reference
Pru du 4	IgG	2.3			≤2.0

Pru du 4 proteins belong to the profilin family with two isoforms. They participate in the binding of a monomeric actin (G-actin) that is responsible for establishing a high-affinity complex with actin, regulating the polymerization of actin into filaments. Pru du 4 proteins have a moderate structural stability, thus can be denatured and undergo subsequent loss of conformational structure by adverse conditions. This labile character and the low levels of this protein make them harder to detect by traditional immunoblot screens and limit the clinical manifestation associated with Pru du 4 to the oral cavity. The cross sensitization is generally expected in peach and sweet cherry attributing to the highest identity and similarity (99 and 98%, respectively) of profilin proteins in these two fruits with almond profilins. In addition, nonrelated species such as soybean or olive also have exhibited over 80% identity and 90% similarity with Pru du 4 antigen.[1]

Walnut		Current	Previous	Result	Reference
Jug n 2	IgG	4.2			≤2.0

Jug n 2 is a vicilin-like protein belonging to the cupin superfamily. They are considered important seed storage proteins, playing a role as nitrogen donors during seed germination and acting as plant protection proteins. Jug n 2 exhibits high sequence identity with other antigenic vicilins, namely 92% with Car i 2, 46% with Cor a 11 and with Ses i 3. In addition, some studies showed that it also exhibited 84% and 83% of sequence homology with pea and tobacco glyceraldehydes, thus implicating a possible cross-reactivity.[9]

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Pistachio		Current	Previous	Result	Reference
Pis v 3	IgA	2.4			≤2.0

Pis v 3, belonging to the cupin superfamily, is a 7S globulin. 7S globulins are frequently glycosylated and have high stability towards heat. Pis v 3 in pistachio nut may cause minor immunoreactivity.[17] It has high homology with different vicilins from several tree nuts and vegetables. From those, Pis v 3 exhibited the highest homology with Ana o 1 from cashew nut (80% identity, 90% similarity). An epitope in Pis v 3 (DEEQEEEDENPYVFED) is almost identical in one epitope in Ana o 1 (DEAEEEDENPYVFED). Hence, possible cross-reactivity could be expected between pistachio and cashew nuts.[18]

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Almond		Current	Previous	Result	Reference
Pru du 1	IgA	1.6		0 2 4	≤2.0
	IgG	1.8		0 2 4	≤2.0
Pru du 2	IgA	0.5		0 2 4	≤2.0
	IgG	1.1		0 2 4	≤2.0
Pru du 3	IgA	0.8		0 2 4	≤2.0
	IgG	0.7		0 2 4	≤2.0
Pru du 4	IgA	1.5		0 2 4	≤2.0
	IgG	2.3		0 2 4	≤2.0
Pru du 5	IgA	1.7		0 2 4	≤2.0
	IgG	2.0		0 2 4	≤2.0
Pru du 6	IgA	0.9		0 2 4	≤2.0
	IgG	0.6		0 2 4	≤2.0

Cashew		Current	Previous	Result	Reference
Ana o 1	IgA	1.7		0 2 4	≤2.0
	IgG	1.7		0 2 4	≤2.0
Ana o 2	IgA	1.7		0 2 4	≤2.0
	IgG	1.0		0 2 4	≤2.0
Ana o 3	IgA	1.8		0 2 4	≤2.0
	IgG	0.7		0 2 4	≤2.0

Walnut		Current	Previous	Result	Reference
Jug n 1	IgA	0.9		0 2 4	≤2.0
	IgG	0.6		0 2 4	≤2.0

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Walnut		Current	Previous	Result	Reference
Jug n 2	IgA	1.6		0 2 4	≤2.0
	IgG	4.2		0 2 4	≤2.0
Jug n 4	IgA	0.9		0 2 4	≤2.0
	IgG	0.8		0 2 4	≤2.0
Jug r 1	IgA	0.5		0 2 4	≤2.0
	IgG	0.9		0 2 4	≤2.0
Jug r 2	IgA	0.4		0 2 4	≤2.0
	IgG	0.4		0 2 4	≤2.0
Jug r 3	IgA	1.7		0 2 4	≤2.0
	IgG	2.0		0 2 4	≤2.0
Jug r 4	IgA	1.0		0 2 4	≤2.0
	IgG	0.8		0 2 4	≤2.0
Jug r 5	IgA	1.7		0 2 4	≤2.0
	IgG	1.5		0 2 4	≤2.0
Jug r 6	IgA	1.8		0 2 4	≤2.0
	IgG	1.3		0 2 4	≤2.0
Jug r 7	IgA	1.2		0 2 4	≤2.0
	IgG	1.6		0 2 4	≤2.0

Brazil Nuts		Current	Previous	Result	Reference
Ber e 1	IgA	0.6		0 2 4	≤2.0
	IgG	0.5		0 2 4	≤2.0
Ber e 2	IgA	0.5		0 2 4	≤2.0
	IgG	0.5		0 2 4	≤2.0

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Pistachio		Current	Previous	Result	Reference
Pis v 1	IgA	0.9		0 2 4	≤2.0
	IgG	1.5		0 2 4	≤2.0
Pis v 2	IgA	1.5		0 2 4	≤2.0
	IgG	1.8		0 2 4	≤2.0
Pis v 3	IgA	2.4		0 2 4	≤2.0
	IgG	1.0		0 2 4	≤2.0
Pis v 4	IgA	1.1		0 2 4	≤2.0
	IgG	0.6		0 2 4	≤2.0
Pis v 5	IgA	0.5		0 2 4	≤2.0
	IgG	0.6		0 2 4	≤2.0

Pecan		Current	Previous	Result	Reference
Car i 1	IgA	1.4		0 2 4	≤2.0
	IgG	1.5		0 2 4	≤2.0
Car i 2	IgA	1.8		0 2 4	≤2.0
	IgG	0.8		0 2 4	≤2.0
Car i 4	IgA	1.5		0 2 4	≤2.0
	IgG	1.3		0 2 4	≤2.0

Macadamia Nut		Current	Previous	Result	Reference
7S globulin	IgA	1.8		0 2 4	≤2.0
	IgG	0.5		0 2 4	≤2.0
17.4 kDa Antigen	IgA	0.9		0 2 4	≤2.0
	IgG	1.5		0 2 4	≤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.

Quantification of specific IgG, IgA antibodies is not an FDA- recognized diagnostic indicator of allergy.

Nut 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.