

PATIENT NAME:	Jane Doe
REQUISITION ID:	R00001
DOB:	1/1/2001
SAMPLE DATE:	1/28/2017
RECEIVE DATE:	1/29/2017
REPORT DATE:	1/30/2017

CLINIC:	Dunwoody Labs 9 Dunwoody Park Suite 121 Dunwoody, GA 30338 USA Phone: 678-736-6374 Fax: 770-674-1701
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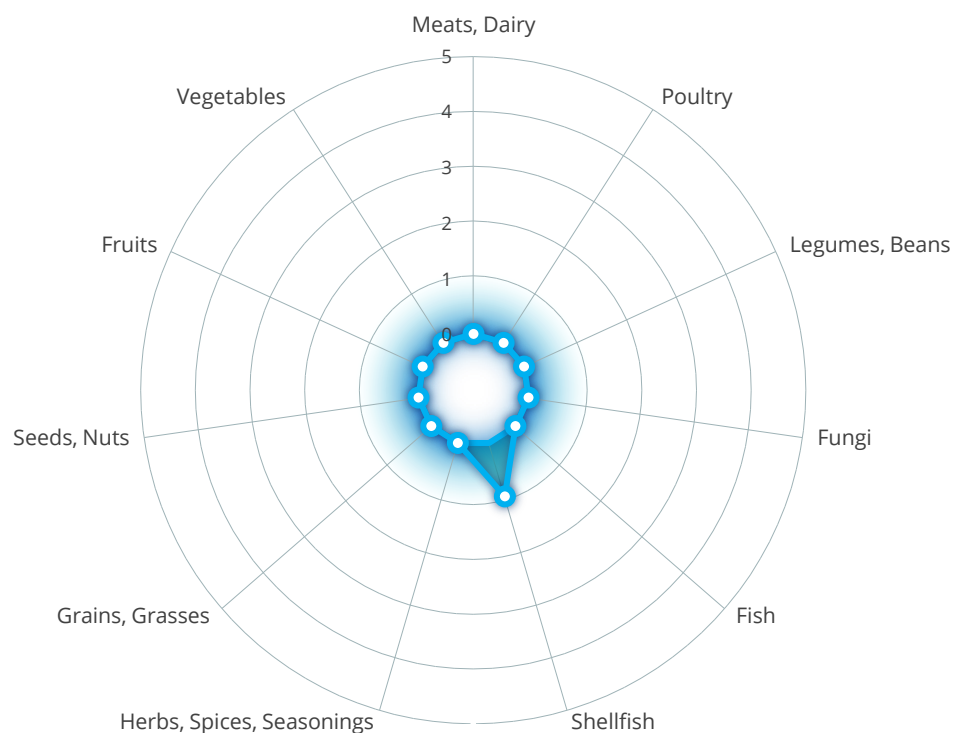


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588G: Dietary Antigen Testing: Sensitivity and Complement | 1/5

Dietary Antigen Exposure by Food Group

Meats, Dairy	0
Poultry	0
Legumes, Beans	0
Fungi	0
Fish	0
Shellfish	1
Herbs, Spices, Seasonings	0
Grains, Grasses	0
Seeds, Nuts	0
Fruits	0
Vegetables	0



This test was developed and its performance characteristics determined by Dunwoody Labs or third-party reference affiliates. This test is not FDA approved, and FDA clearance is not currently required for clinical use. Results are not intended to be used as the sole means for clinical diagnosis. Clinical correlation is required.

588G: Dietary Antigen Testing: Sensitivity and Complement | 2/5



Dietary Antigen Exposure by Food Group

High levels of IgG antibodies to milk antigens have been reported in patients with eczema and/or asthma. In a separate study high levels of IgG4 antibodies were detected in patients suffering from atopic dermatitis and/or bronchial asthma caused by hypersensitivity to soybean. In this report a human serum sample is probed for the presence of IgG's that have an exact affinity for specific dietary allergens. Dietary specific IgG's are clustered by food groups and the quantitative summation of the IgG's within the offending food group(s) are expressed graphically. The exclusion of the offending food group(s) from the diet has shown to improve the symptoms of these conditions.

. Zar et al. Am J Gastroenterol 2005; 100:1500-1557

IgG

Allergic reactions to dietary antigens can be immediate or delayed and the rate and types of reaction indicate different immune responses. Peter Gell and Robert Combs developed a system in 1963 to classify these different reactions and this classification was later found to correlate with four different molecular pathways that lead to allergic responses. The four types were sensibly given the names Type I, II, III and IV hypersensitivity. There are four subclasses of the G-type immunoglobulins produced in hypersensitivity reactions to dietary allergens and some of the subclasses of IgG are the most difficult to detect. In this report Type II/III responses are detected by measuring the IgG response to specific dietary antigens that mediates the production of food specific immune complexes.

Complement

IgG antibody levels can increase in the blood as a consequence of exposure to dietary antigens in the bloodstream, and elevated levels are seen in response to the most commonly eaten foods. These antibodies can combine with the specific dietary antigen to form a food immune complex. These complexes are thought to be the active agents for the delayed allergic responses. IgG mediated immune complexes are tagged for complement activity by complement antigens such as C1q and C3D. The absence or presence of complement activity is essential to the pathological pathway that the immune system follows in response to the offending dietary antigen or food group.

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588G: Dietary Antigen Testing: Sensitivity and Complement | 3/5

Allergen Range Values	231	3	YES	— COMPLEMENT	0	1	2	3	4	5
					NEGATIVE	MILD	MODERATE		SEVERE	

MEATS, DAIRY			
Allergen	IgG CONCENTRATION (ng/ml)	REACTIVITY CLASS	COMPLEMENT
Beef 0 - 50 ng/ml	0	0	YES
Casein 0 - 1095 ng/ml	243	0	-
Cow's Milk 0 - 1388 ng/ml	291	0	-
Goat's Milk 0 - 1300 ng/ml	253	0	-
Pork 0 - 150 ng/ml	0	0	YES

SHELLFISH			
Clam 0 - 300 ng/ml	0	0	YES
Crab 0 - 710 ng/ml	132	2	YES
Lobster 0 - 240 ng/ml	0	0	YES
Scallops 0 - 75 ng/ml	0	0	YES
Shrimp 0 - 180 ng/ml	35	2	YES

POULTRY			
Chicken 0 - 80 ng/ml	0	0	YES
Egg Albumin 0 - 1160 ng/ml	297	1	YES
Egg Yolk 0 - 820 ng/ml	174	0	YES
Turkey 0 - 105 ng/ml	0	0	-

FUNGI			
Aspergillus Mix 0 - 2207 ng/ml	252	0	YES
Brewer's Yeast 0 - 811 ng/ml	0	0	YES
Candida 0 - 1949 ng/ml	52	0	YES
Mushroom 0 - 230 ng/ml	0	0	YES

FISH			
Codfish 0 - 275 ng/ml	8	0	YES
Flounder 0 - 300 ng/ml	20	1	-
Halibut 0 - 100 ng/ml	0	0	-
Salmon 0 - 140 ng/ml	0	0	YES
Tuna 0 - 190 ng/ml	0	0	YES

LEGUMES, BEANS			
Green Pea 0 - 240 ng/ml	0	0	YES
Kidney/Pinto 0 - 480 ng/ml	40	1	YES
Navy Bean 0 - 630 ng/ml	0	0	YES
Peanut 0 - 950 ng/ml	0	0	YES
Soybean 0 - 520 ng/ml	0	0	-

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588G: Dietary Antigen Testing: Sensitivity and Complement | 4/5

Allergen Range Values	231	3	YES	— COMPLEMENT	0	1	2	3	4	5
					NEGATIVE	MILD	MODERATE		SEVERE	

FRUITS	IgG CONCENTRATION (ng/ml)	REACTIVITY CLASS	COMPLEMENT
Apple 0 - 255 ng/ml	0	0	-
Avocado 0 - 160 ng/ml	0	0	YES
Banana 0 - 505 ng/ml	0	0	YES
Blueberry 0 - 393 ng/ml	24	0	YES
Cantaloupe 0 - 338 ng/ml	0	0	YES
Cherry 0 - 240 ng/ml	4	0	-
Coconut 0 - 385 ng/ml	56	1	YES
Cucumber 0 - 220 ng/ml	0	0	YES
Grapefruit 0 - 220 ng/ml	1	0	YES
Grapes 0 - 175 ng/ml	0	0	YES
Green Olive 0 - 370 ng/ml	33	1	YES
Green Pepper 0 - 225 ng/ml	17	1	-
Honeydew Melon 0 - 200 ng/ml	0	0	YES
Lemon 0 - 190 ng/ml	18	1	YES
Lime 0 - 490 ng/ml	0	0	YES
Orange 0 - 300 ng/ml	32	1	YES

FRUITS	IgG CONCENTRATION (ng/ml)	REACTIVITY CLASS	COMPLEMENT
Peach 0 - 270 ng/ml	0	0	YES
Pear 0 - 225 ng/ml	0	0	-
Pineapple 0 - 1580 ng/ml	0	0	YES
Plum 0 - 390 ng/ml	53	1	-
Squash Mix 0 - 310 ng/ml	0	0	YES
Strawberry 0 - 170 ng/ml	0	0	YES
Tomato 0 - 160 ng/ml	5	1	YES
Watermelon 0 - 230 ng/ml	0	0	YES

GRAINS, GRASSES	IgG CONCENTRATION (ng/ml)	REACTIVITY CLASS	COMPLEMENT
Barley 0 - 330 ng/ml	0	0	YES
Corn 0 - 350 ng/ml	0	0	YES
Gluten 0 - 1130 ng/ml	0	0	YES
Oat 0 - 250 ng/ml	0	0	YES
Rice 0 - 350 ng/ml	0	0	YES
Rye 0 - 460 ng/ml	0	0	YES
Whole Wheat 0 - 480 ng/ml	0	0	-

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588G: Dietary Antigen Testing: Sensitivity and Complement | 5/5

Allergen Range Values	231	3	YES	— COMPLEMENT	0	1	2	3	4	5
					NEGATIVE	MILD	MODERATE		SEVERE	

VEGETABLES	IgG CONCENTRATION (ng/ml)	REACTIVITY CLASS	COMPLEMENT
Asparagus 0 - 360 ng/ml	0	0	YES
Broccoli 0 - 342 ng/ml	0	0	YES
Cabbage 0 - 200 ng/ml	0	0	YES
Carrot 0 - 346 ng/ml	0	0	YES
Celery 0 - 219 ng/ml	0	0	YES
Horseradish 0 - 450 ng/ml	0	0	YES
Lettuce 0 - 450 ng/ml	104	2	-
Onion 0 - 200 ng/ml	1	0	YES
Spinach 0 - 250 ng/ml	0	0	YES
Sweet Potato 0 - 230 ng/ml	22	1	-
Tea 0 - 730 ng/ml	34	0	YES
White Potato 0 - 250 ng/ml	19	0	-

HERBS, SPICES, SEASONINGS	IgG CONCENTRATION (ng/ml)	REACTIVITY CLASS	COMPLEMENT
Dill Seed 0 - 440 ng/ml	61	0	YES
Garlic 0 - 340 ng/ml	46	1	YES
Mustard 0 - 350 ng/ml	0	0	YES
Oregano 0 - 600 ng/ml	29	0	YES
Peppermint 0 - 380 ng/ml	0	0	-
Vanilla 0 - 830 ng/ml	0	0	YES

SEEDS, NUTS	IgG CONCENTRATION (ng/ml)	REACTIVITY CLASS	COMPLEMENT
Almond 0 - 860 ng/ml	0	0	YES
Cacao 0 - 348 ng/ml	0	0	YES
Coffee 0 - 570 ng/ml	41	0	YES
Cottonseed 0 - 200 ng/ml	0	0	YES
English Walnut 0 - 625 ng/ml	0	0	YES
Pecan 0 - 290 ng/ml	15	1	YES
Sesame 0 - 620 ng/ml	15	0	YES
Sunflower Seed 0 - 700 ng/ml	0	0	YES

HERBS, SPICES, SEASONINGS	IgG CONCENTRATION (ng/ml)	REACTIVITY CLASS	COMPLEMENT
Basil 0 - 650 ng/ml	70	0	YES
Black Pepper 0 - 1134 ng/ml	130	0	YES
Cinnamon 0 - 770 ng/ml	95	1	YES

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