

Dietary Antigen-Specific IgG with Complement

PATIENT INFO

NAME: **SAMPLE PATIENT**
 REQUISITION ID: 1805070000
 SAMPLE ID: 12121
 DOB: 1/1/2001
 SAMPLE DATE: 5/3/2018
 RECEIVE DATE: 5/7/2018
 REPORT DATE: 5/9/2018

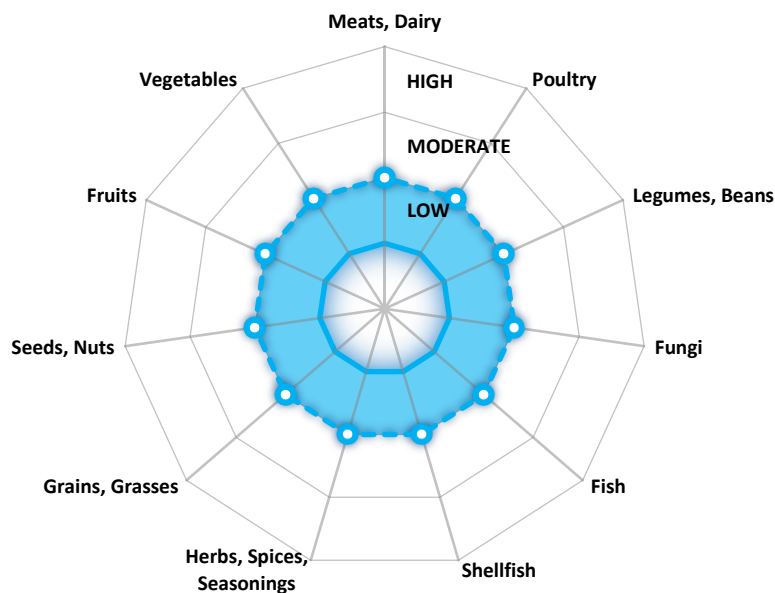
CLINIC INFO

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Dietary Antigen Exposure by Food Group

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



Dietary Antigen Exposure by Food Group

In this test, a human serum sample is probed for the presence of IgG antibodies which have an exact affinity for specific dietary allergens. Dietary allergens are clustered by the food groups shown in the table and graph above. The quantitative summation of the IgG results within the offending food groups are expressed graphically. The exclusion of the offending food group(s) from the diet has been shown to reduce the severity of symptoms associated with food allergies.

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Understanding the Key

It is important to understand how reactive your patient is to a given food. If the patient had a high reaction, they are considered in the top 2.5% in terms of reactions; moderate reactions represent the next 2.5%. This means that moderate or severe reactions represent the top 5% of reactivity. A low reaction represents a broader population of reactivity at 20%. Therefore low, moderate, and high reactions combined represent 25% of the most reactive patients.

IgG

The IgG antibody response creates sensitivity to a particular food. Symptoms may be less severe than with IgE allergic reaction and can manifest anywhere from 3-72 hours after exposure. IgG reactions create inflammation that makes many pathologies worse. The delayed response makes sensitivities difficult to identify without a diagnostic test. Sensitivities can improve with treatment and improved gut health.

C3d

C3d is a complement antigen and an activator of our complement cascade system. Reaction to the specified food will worsen if C3d activation is present along with an IgG antibody response. The C3 protein attaches to the antigen and amplifies the IgG response, increasing the inflammatory potential of IgG titer. Complement is not dependent on exposure or antibody presence, and represents innate immune function.

Patient Results

ANTIGEN	RESULT	IgG	REF. RANGE
MEATS, DAIRY			
Beef		0.00 ng/ml	0.00 - 316 ng/ml
Casein		116.10 ng/ml	0.00 - 901 ng/ml
Cow's Milk		138.58 ng/ml	0.00 - 1110 ng/ml
Goat's Milk		2.34 ng/ml	0.00 - 642 ng/ml
Pork		0.00 ng/ml	0.00 - 112 ng/ml
POULTRY			
Chicken		0.00 ng/ml	0.00 - 47 ng/ml
Egg Albumin		117.51 ng/ml	0.00 - 734 ng/ml
Egg Yolk		29.03 ng/ml	0.00 - 671 ng/ml
Turkey		0.00 ng/ml	0.00 - 74 ng/ml
LEGUMES, BEANS			
Green Pea		0.00 ng/ml	0.00 - 105 ng/ml
Kidney Bean		5.15 ng/ml	0.00 - 436 ng/ml
Lima Bean		0.00 ng/ml	0.00 - 191 ng/ml
Navy Bean		13.58 ng/ml	0.00 - 517 ng/ml
Peanut		0.00 ng/ml	0.00 - 250 ng/ml
Soybean		104.87 ng/ml	0.00 - 420 ng/ml
String Bean		0.00 ng/ml	0.00 - 316 ng/ml
FUNGI			
Aspergillus Mix		1131.55 ng/ml	0.00 - 1580 ng/ml
Brewer's Yeast		0.00 ng/ml	0.00 - 265 ng/ml
Candida		0.00 ng/ml	0.00 - 592 ng/ml
Mushroom	L	523.41 ng/ml	0.00 - 1332 ng/ml
FISH			
Codfish		0.00 ng/ml	0.00 - 111 ng/ml
Flounder		0.00 ng/ml	0.00 - 69 ng/ml
Halibut		0.00 ng/ml	0.00 - 35 ng/ml
Salmon		0.00 ng/ml	0.00 - 35 ng/ml
Tuna		0.00 ng/ml	0.00 - 192 ng/ml
SHELLFISH			
Clam		0.00 ng/ml	0.00 - 319 ng/ml
Crab		0.00 ng/ml	0.00 - 108 ng/ml
Lobster		0.00 ng/ml	0.00 - 157 ng/ml
Scallops		0.00 ng/ml	0.00 - 40 ng/ml
Shrimp		0.00 ng/ml	0.00 - 120 ng/ml

ANTIGEN	RESULT	COMPLEMENT	CUTOFF
MEATS, DAIRY			
Beef		13291.32 ng/ml	25740 ng/ml
Casein		0.00 ng/ml	2886 ng/ml
Cow's Milk		4845.94 ng/ml	14403 ng/ml
Goat's Milk		6652.66 ng/ml	18493 ng/ml
Pork		1148.46 ng/ml	3161 ng/ml
POULTRY			
Chicken		0.00 ng/ml	113 ng/ml
Egg Albumin		6274.51 ng/ml	6621 ng/ml
Egg Yolk		560.22 ng/ml	1881 ng/ml
Turkey		0.00 ng/ml	393 ng/ml
LEGUMES, BEANS			
Green Pea		0.00 ng/ml	113 ng/ml
Kidney Bean		0.00 ng/ml	3971 ng/ml
Lima Bean		0.00 ng/ml	1991 ng/ml
Navy Bean		0.00 ng/ml	1014 ng/ml
Peanut		0.00 ng/ml	383 ng/ml
Soybean	YES	8123.25 ng/ml	7260 ng/ml
String Bean		0.00 ng/ml	25 ng/ml
FUNGI			
Aspergillus Mix		0.00 ng/ml	828 ng/ml
Brewer's Yeast		0.00 ng/ml	5474 ng/ml
Candida		602.24 ng/ml	2097 ng/ml
Mushroom	YES	18501.40 ng/ml	16533 ng/ml
FISH			
Codfish		0.00 ng/ml	699 ng/ml
Flounder		0.00 ng/ml	1557 ng/ml
Halibut	YES	1862.75 ng/ml	944 ng/ml
Salmon		0.00 ng/ml	586 ng/ml
Tuna		0.00 ng/ml	707 ng/ml
SHELLFISH			
Clam	YES	4089.64 ng/ml	3596 ng/ml
Crab		0.00 ng/ml	140 ng/ml
Lobster		0.00 ng/ml	404 ng/ml
Scallops		0.00 ng/ml	25 ng/ml
Shrimp		98.04 ng/ml	781 ng/ml

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Patient Results

ANTIGEN	RESULT	IgG	REF. RANGE
HERBS, SPICES, SEASONINGS			
Black Pepper		26.22 ng/ml	0.00 - 545 ng/ml
Cinnamon		137.17 ng/ml	0.00 - 587 ng/ml
Garlic		0.00 ng/ml	0.00 - 199 ng/ml
Ginger		0.00 ng/ml	0.00 - 563 ng/ml
Hops		0.00 ng/ml	0.00 - 287 ng/ml
Mustard		0.00 ng/ml	0.00 - 165 ng/ml
Vanilla		13.58 ng/ml	0.00 - 562 ng/ml
GRAINS, GRASSES			
Barley		0.00 ng/ml	0.00 - 241 ng/ml
Corn		0.00 ng/ml	0.00 - 91 ng/ml
Gluten		125.94 ng/ml	0.00 - 1120 ng/ml
Oat		0.00 ng/ml	0.00 - 107 ng/ml
Rice		0.00 ng/ml	0.00 - 58 ng/ml
Rye		0.00 ng/ml	0.00 - 230 ng/ml
Whole Wheat		0.00 ng/ml	0.00 - 183 ng/ml
SEEDS, NUTS			
Almond		0.00 ng/ml	0.00 - 532 ng/ml
Cacao		0.00 ng/ml	0.00 - 185 ng/ml
Cashew		0.00 ng/ml	0.00 - 288 ng/ml
Coffee		0.00 ng/ml	0.00 - 236 ng/ml
Cottonseed		0.00 ng/ml	0.00 - 82 ng/ml
English Walnut	L	52.90 ng/ml	0.00 - 646 ng/ml
Flax Seed		0.00 ng/ml	0.00 - 304 ng/ml
Pecan		0.00 ng/ml	0.00 - 94 ng/ml
Sesame		29.03 ng/ml	0.00 - 429 ng/ml
FRUITS			
Apple		0.00 ng/ml	0.00 - 68 ng/ml
Avocado	L	93.63 ng/ml	0.00 - 538 ng/ml
Banana		0.00 ng/ml	0.00 - 185 ng/ml
Blueberry		0.00 ng/ml	0.00 - 114 ng/ml
Cantaloupe		0.00 ng/ml	0.00 - 76 ng/ml
Cherry		0.00 ng/ml	0.00 - 39 ng/ml
Coconut		0.00 ng/ml	0.00 - 149 ng/ml
Cucumber		0.00 ng/ml	0.00 - 35 ng/ml
Grapefruit		0.00 ng/ml	0.00 - 35 ng/ml
Grapes		0.00 ng/ml	0.00 - 35 ng/ml
Green Olive		0.00 ng/ml	0.00 - 117 ng/ml
Green Pepper		0.00 ng/ml	0.00 - 35 ng/ml
Honeydew		0.00 ng/ml	0.00 - 35 ng/ml
Lemon		0.00 ng/ml	0.00 - 35 ng/ml
Orange		0.00 ng/ml	0.00 - 55 ng/ml
Peach		0.00 ng/ml	0.00 - 65 ng/ml
Pear		0.00 ng/ml	0.00 - 39 ng/ml
Pineapple		0.00 ng/ml	0.00 - 225 ng/ml
Plum		0.00 ng/ml	0.00 - 79 ng/ml
Strawberry		0.00 ng/ml	0.00 - 35 ng/ml
Tomato		0.00 ng/ml	0.00 - 35 ng/ml
Watermelon		0.00 ng/ml	0.00 - 45 ng/ml
Yellow Squash		0.00 ng/ml	0.00 - 196 ng/ml

ANTIGEN	RESULT	COMPLEMENT	CUTOFF
HERBS, SPICES, SEASONINGS			
Black Pepper		0.00 ng/ml	1424 ng/ml
Cinnamon		0.00 ng/ml	4122 ng/ml
Garlic	YES	2282.91 ng/ml	1391 ng/ml
Ginger	YES	4047.62 ng/ml	3710 ng/ml
Hops		602.24 ng/ml	5831 ng/ml
Mustard		0.00 ng/ml	531 ng/ml
Vanilla		0.00 ng/ml	745 ng/ml
GRAINS, GRASSES			
Barley		6190.48 ng/ml	8405 ng/ml
Corn		0.00 ng/ml	684 ng/ml
Gluten		0.00 ng/ml	620 ng/ml
Oat		0.00 ng/ml	25 ng/ml
Rice		0.00 ng/ml	300 ng/ml
Rye		0.00 ng/ml	1159 ng/ml
Whole Wheat		0.00 ng/ml	235 ng/ml
SEEDS, NUTS			
Almond		0.00 ng/ml	1613 ng/ml
Cacao		0.00 ng/ml	5735 ng/ml
Cashew		0.00 ng/ml	1028 ng/ml
Coffee		5266.11 ng/ml	8586 ng/ml
Cottonseed		0.00 ng/ml	282 ng/ml
English Walnut		21610.64 ng/ml	22141 ng/ml
Flax Seed		0.00 ng/ml	495 ng/ml
Pecan		0.00 ng/ml	921 ng/ml
Sesame		0.00 ng/ml	1076 ng/ml
FRUITS			
Apple		0.00 ng/ml	1376 ng/ml
Avocado		5770.31 ng/ml	9421 ng/ml
Banana		1400.56 ng/ml	3996 ng/ml
Blueberry		0.00 ng/ml	180 ng/ml
Cantaloupe		0.00 ng/ml	454 ng/ml
Cherry		0.00 ng/ml	179 ng/ml
Coconut		0.00 ng/ml	553 ng/ml
Cucumber		0.00 ng/ml	405 ng/ml
Grapefruit		0.00 ng/ml	109 ng/ml
Grapes		0.00 ng/ml	25 ng/ml
Green Olive		0.00 ng/ml	669 ng/ml
Green Pepper		0.00 ng/ml	610 ng/ml
Honeydew		0.00 ng/ml	221 ng/ml
Lemon		0.00 ng/ml	136 ng/ml
Orange		0.00 ng/ml	2067 ng/ml
Peach		0.00 ng/ml	820 ng/ml
Pear		0.00 ng/ml	899 ng/ml
Pineapple		0.00 ng/ml	613 ng/ml
Plum		0.00 ng/ml	1966 ng/ml
Strawberry		0.00 ng/ml	25 ng/ml
Tomato		0.00 ng/ml	59 ng/ml
Watermelon		308.12 ng/ml	734 ng/ml
Yellow Squash		0.00 ng/ml	716 ng/ml

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Patient Results

ANTIGEN	RESULT	IgG	REF. RANGE
VEGETABLES			
Asparagus		0.00 ng/ml	0.00 - 118 ng/ml
Broccoli		0.00 ng/ml	0.00 - 419 ng/ml
Cabbage		0.00 ng/ml	0.00 - 58 ng/ml
Carrot		0.00 ng/ml	0.00 - 113 ng/ml
Cauliflower		0.00 ng/ml	0.00 - 231 ng/ml
Celery		0.00 ng/ml	0.00 - 59 ng/ml
Lettuce		0.00 ng/ml	0.00 - 108 ng/ml
Onion		0.00 ng/ml	0.00 - 35 ng/ml
Spinach		0.00 ng/ml	0.00 - 74 ng/ml
Sweet Potato		0.00 ng/ml	0.00 - 93 ng/ml
Tea		0.00 ng/ml	0.00 - 235 ng/ml
White Potato	L	579.59 ng/ml	0.00 - 1269 ng/ml

ANTIGEN	RESULT	COMPLEMENT	CUTOFF
VEGETABLES			
Asparagus		0.00 ng/ml	588 ng/ml
Broccoli		224.09 ng/ml	757 ng/ml
Cabbage		0.00 ng/ml	336 ng/ml
Carrot		812.32 ng/ml	4417 ng/ml
Cauliflower		0.00 ng/ml	252 ng/ml
Celery		0.00 ng/ml	280 ng/ml
Lettuce		140.06 ng/ml	3431 ng/ml
Onion		0.00 ng/ml	25 ng/ml
Spinach	YES	1946.78 ng/ml	1730 ng/ml
Sweet Potato		2114.85 ng/ml	3058 ng/ml
Tea		0.00 ng/ml	597 ng/ml
White Potato	YES	24719.89 ng/ml	18347 ng/ml

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