

9 Dunwoody Park, Suite 121

Dunwoody, GA 30338

P: 678-736-6374

F: 770-674-1701

Email: info@dunwoodylabs.com

www.dunwoodylabs.com

Dunwoody Labs — An Innovator in Testing Solutions

PATIENT INFO

NAME: **SAMPLE PATIENT**

REQUISITION ID: 1905060999

SAMPLE ID: 107122

DOB: 1/1/1971

SAMPLE DATE: 5/5/2019

RECEIVE DATE: 5/6/2019

REPORT DATE: 5/6/2019

CLINIC INFO

DUNWOODY LABS

ADDRESS: 9 DUNWOODY PARK, SUITE 121

ATLANTA, GA 30338

PHONE: 678-736-6374

FAX: 770-674-1701

SUMMARY | 1/2

DIETARY ANTIGEN	ALLERGY			SENSITIVITY					
	IgE	IgE (µg/mL)	IMMUNE TOLERANCE TO IgE	IgG4	IgG4 (µg/mL)	IgG	IgG (µg/mL)	C3D	C3D (µg/mL)
Almond	MODERATE	1.22	YES	HIGH	8.84	MODERATE	7.30	MODERATE	1.20
Apple	HIGH	2.89		LOW	0.24	HIGH	6.26	LOW	0.40
Asparagus	MODERATE	0.85		LOW	0.15		0.00	LOW	0.55
Aspergillus Mix	LOW	0.20		LOW	0.15	LOW	22.03	LOW	0.22
Avocado		0.00		HIGH	3.96	MODERATE	5.79	LOW	1.14
Banana	HIGH	2.40		LOW	0.41	HIGH	12.59	LOW	1.45
Barley	MODERATE	1.34		LOW	0.42	LOW	4.00	LOW	1.92
Beef	LOW	1.26		LOW	0.72	LOW	6.45		0.12
Black Pepper		0.00			0.02	LOW	5.23		0.09
Blueberry	LOW	0.16			0.00		0.00		0.00
Brewer's Yeast		0.00		LOW	0.05	LOW	2.39		0.00
Broccoli	LOW	0.09	YES	LOW	0.16	LOW	0.60	MODERATE	0.62
Cabbage		0.00			0.00	LOW	0.13		0.00
Cacao	LOW	0.39		LOW	0.10	LOW	7.40	LOW	0.60
Candida	MODERATE	1.07			0.03	LOW	13.44	LOW	1.20
Cantaloupe	MODERATE	0.69		LOW	0.10	LOW	1.16		0.00
Carrot	LOW	0.32		LOW	0.07	LOW	1.16	LOW	0.80
Casein	MODERATE	0.39	YES	MODERATE	7.82	MODERATE	13.16		0.04
Cashew	HIGH	1.83			0.00	MODERATE	3.53	HIGH	1.42
Cauliflower		0.00			0.00		0.00		0.00
Celery		0.00			0.00		0.00		0.00
Cherry		0.00			0.00	LOW	0.41		0.00
Chicken		0.00			0.00		0.00		0.00
Cinnamon		0.00			0.00	MODERATE	19.29	LOW	0.90
Clam	LOW	1.98		MODERATE	0.60	LOW	4.09	LOW	0.80
Coconut	LOW	0.28			0.03	LOW	0.79	LOW	0.24
Codfish	MODERATE	0.58		LOW	0.11	MODERATE	2.11	LOW	0.06
Coffee	LOW	0.16			0.00	LOW	1.83	LOW	0.80
Corn	LOW	0.16		LOW	0.03		0.00		0.00
Cottonseed		0.00			0.00		0.00		0.00
Cow's Milk	LOW	0.39	YES	MODERATE	16.22	MODERATE	51.31	LOW	1.37
Crab		0.00			0.00		0.00		0.00
Cucumber		0.00			0.00	LOW	0.22	LOW	0.30
Egg Albumin	HIGH	21.49		MODERATE	19.36	LOW	34.59	MODERATE	6.20
Egg Yolk	MODERATE	0.54	YES	MODERATE	7.15	MODERATE	16.46	MODERATE	3.06
English Walnut	LOW	0.16			0.00	MODERATE	7.77	LOW	5.01
Flax Seed		0.00		LOW	0.21	LOW	0.50		0.00
Flounder		0.00			0.00		0.00		0.00

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SUMMARY | 2/2

DIETARY ANTIGEN	ALLERGY			SENSITIVITY					
	IgE	IgE (µg/mL)	IMMUNE TOLERANCE TO IgE	IgG4	IgG4 (µg/mL)	IgG	IgG (µg/mL)	C3D	C3D (µg/mL)
Garlic		0.00			0.00		0.00	LOW	0.30
Ginger	HIGH	1.04		LOW	0.96	LOW	12.21	LOW	0.65
Gluten		3.12	YES	MODERATE	7.64	MODERATE	130.91	MODERATE	0.99
Goat's Milk	LOW	0.51	YES	LOW	2.02	LOW	26.09	LOW	0.79
Grapefruit	LOW	0.16			0.00	HIGH	10.99		0.00
Grapes		0.00			0.00		0.00		0.00
Green Olive		0.01			0.00	LOW	1.64	LOW	0.29
Green Pea	LOW	0.39	YES	MODERATE	0.44	MODERATE	3.53	LOW	0.25
Green Pepper		0.00		LOW	0.05		0.00		0.00
Halibut		0.00			0.00		0.00		0.00
Honeydew		0.00			0.00		0.00		0.00
Hops	LOW	0.20		LOW	0.03	LOW	0.98	LOW	0.70
Kidney Bean		1.30	YES	LOW	2.48	LOW	3.62	LOW	1.14
Lemon		0.00			0.00		0.00	LOW	0.11
Lettuce		0.00		LOW	0.05	MODERATE	1.26	LOW	0.34
Lima Bean		0.05	YES	MODERATE	2.25	LOW	1.07	LOW	2.58
Lobster		0.00			0.00		0.00		0.00
Mushroom		0.00		LOW	0.07	LOW	16.93	LOW	3.58
Mustard		0.00		LOW	2.20	LOW	6.45	LOW	0.44
Navy Bean	LOW	1.98	YES	LOW	2.85	LOW	4.38	LOW	1.20
Oat		0.00			0.00		0.00		0.00
Onion		0.00			0.00	LOW	2.11		0.00
Orange		0.00		LOW	0.05	LOW	1.16	MODERATE	0.39
Peach		0.00		LOW	0.02		0.00		0.00
Peanut		0.00		MODERATE	3.97	MODERATE	4.28	HIGH	1.04
Pear		0.00			0.00		0.00		0.00
Pecan		0.00		MODERATE	0.50		0.00	MODERATE	0.92
Pineapple		0.00			0.00		0.00		0.00
Plum	LOW	0.13		LOW	0.08	LOW	1.73	LOW	0.52
Pork	LOW	0.05			0.00	LOW	3.90	LOW	0.95
Rice		0.00		LOW	0.07	LOW	1.26		0.00
Rye		0.00		LOW	0.10	LOW	1.45		0.04
Salmon		0.00			0.00		0.00		0.00
Scallops		0.00			0.02	MODERATE	1.16		0.00
Sesame		0.00			0.00	LOW	5.04		0.00
Shrimp		0.00			0.00		0.00		0.00
Soybean	LOW	0.24	YES	MODERATE	1.04	LOW	1.83	MODERATE	0.94
Spinach	LOW	0.20		LOW	0.10	LOW	3.15	LOW	0.54
Strawberry		0.00			0.00		0.00		0.00
String Bean		0.00		LOW	1.43	LOW	2.30	MODERATE	0.84
Sweet Potato		0.00			0.00		0.00	LOW	1.32
Tea		0.00			0.00	LOW	0.79		0.00
Tomato		0.00		LOW	0.03		0.00	LOW	0.04
Tuna		0.00		LOW	0.10	LOW	0.31	MODERATE	0.60
Turkey	LOW	0.28	YES	MODERATE	0.54	LOW	1.16		0.00
Vanilla		0.00			0.02	MODERATE	19.29		0.00
Watermelon		0.00		LOW	0.03		0.03	LOW	0.29
White Potato		0.01			0.00	HIGH	99.46	LOW	1.27
Whole Wheat		0.00		LOW	0.05		0.03	MODERATE	0.32
Yellow Squash		0.00		MODERATE	0.39	LOW	0.88	LOW	0.14

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LESS RESTRICTIVE DIET

The Less Restrictive Diet **removes** foods with high levels of reactivity for IgE and IgG. Additionally, moderate IgG reactivity with high levels of complement (C3d) are **removed** because C3d has potential to amplify an IgG reaction 1000-10,000-fold.

The Less Restrictive Diet **rotates** foods with moderate IgG reactivity where moderate levels of C3d are also present due to increased inflammatory potential.

Foods with high IgG4 reactivity are listed separately, as IgG4 is not generally inflammatory, and its role is largely favorable apart from a handful of conditions. This allows the provider to determine whether to remove these foods based on the individual patient. Conditions affected by elevated IgG4 include eosinophilic esophagitis and disorders of the thyroid, ovaries, and prostate.

NO LIMITATION		ROTATE	ELIMINATE	ELIMINATE (IgG4)
These foods produce no immune reaction within your system at this time.		These foods should be rotated out of your diet for a period of 72 hrs or reduced in overall intake.	Remove these foods entirely from your diet.	Remove at Provider's Discretion
Asparagus	Orange	Cinnamon	Apple	Almond
Aspergillus Mix	Peach	Codfish	Banana	Avocado
Barley	Pear	Cow's Milk	Cashew	
Beef	Pecan	Egg Yolk	Egg Albumin	
Black Pepper	Pineapple	English Walnut	Ginger	
Blueberry	Plum	Gluten	Grapefruit	
Brewer's Yeast	Pork	Green Pea	Peanut	
Broccoli	Rice	Lettuce	White Potato	
Cabbage	Rye			
Cacao	Salmon			
Candida	Scallops			
Cantaloupe	Sesame			
Carrot	Shrimp			
Casein	Soybean			
Cauliflower	Spinach			
Celery	Strawberry			
Cherry	String Bean			
Chicken	Sweet Potato			
Clam	Tea			
Coconut	Tomato			
Coffee	Tuna			
Corn	Turkey			
Cottonseed	Vanilla			
Crab	Watermelon			
Cucumber	Whole Wheat			
Flax Seed	Yellow Squash			
Flounder				
Garlic				
Goat's Milk				
Grapes				
Green Olive				
Green Pepper				
Halibut				
Honeydew				
Hops				
Kidney Bean				
Lemon				
Lima Bean				
Lobster				
Mushroom				
Mustard				
Navy Bean				
Oat				
Onion				

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MORE RESTRICTIVE DIET

The More Restrictive Diet **removes** foods with high and moderate levels of IgE, IgG, and complement (C3d). Additionally, low IgG reactivity with any positive complement response are **rotated** because C3d has the potential to amplify an IgG reaction 1000-10,000-fold.

High and moderate IgG4 foods are listed separately, as IgG4 is not generally inflammatory, and its role is largely favorable apart from a handful of conditions. This allows the provider to determine whether to remove these foods based on the individual patient. Conditions affected by elevated IgG4 include eosinophilic esophagitis and disorders of the thyroid, ovaries, and prostate.

NO LIMITATION	ROTATE	ELIMINATE	ELIMINATE (IgG4)
<p>These foods produce no immune reaction within your system at this time.</p>	<p>These foods should be rotated out of your diet for a period of 72 hrs or reduced in overall intake.</p>	<p>Remove these foods entirely from your diet.</p>	<p>Remove at Provider's Discretion</p>
<ul style="list-style-type: none"> Beef Black Pepper Blueberry Brewer's Yeast Cabbage Cauliflower Celery Cherry Chicken Corn Cottonseed Crab Flax Seed Flounder Garlic Grapes Green Pepper Halibut Honeydew Lemon Lobster Oat Onion Peach Pear Pineapple Rice Rye Salmon Sesame Shrimp Strawberry Sweet Potato Tea Tomato Watermelon 	<ul style="list-style-type: none"> Aspergillus Mix Cacao Carrot Coconut Coffee Cucumber Goat's Milk Green Olive Hops Kidney Bean Mushroom Mustard Navy Bean Plum Pork Spinach 	<ul style="list-style-type: none"> Almond Apple Asparagus Avocado Banana Barley Broccoli Candida Cantaloupe Casein Cashew Cinnamon Codfish Cow's Milk Egg Albumin Egg Yolk English Walnut Ginger Gluten Grapefruit Green Pea Lettuce Orange Peanut Pecan Scallops Soybean String Bean Tuna Vanilla White Potato Whole Wheat 	<ul style="list-style-type: none"> Clam Lima Bean Turkey Yellow Squash

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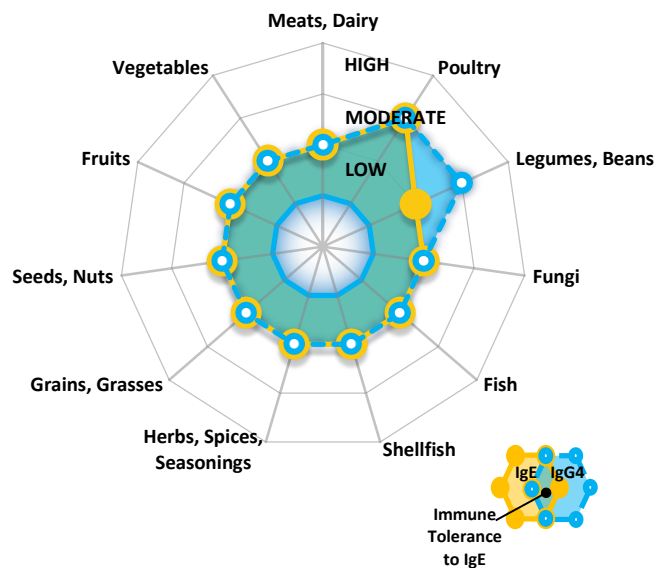
PATIENT INFO	
NAME:	SAMPLE PATIENT
REQUISITION ID:	1905060999
SAMPLE ID:	107122
DOB:	1/1/1971
SAMPLE DATE:	5/5/2019
RECEIVE DATE:	5/6/2019
REPORT DATE:	5/6/2019

CLINIC INFO	
DUNWOODY LABS	
ADDRESS:	9 DUNWOODY PARK, SUITE 121 ATLANTA, GA 30338
PHONE:	678-736-6374
FAX:	770-674-1701

588E - Dietary Antigen Testing | 1/4

Dietary Antigen Exposure by Food Group

	IgE	IgG4
Meats, Dairy	LOW	LOW
Poultry	MODERATE	MODERATE
Legumes, Beans	LOW	MODERATE
Fungi	LOW	LOW
Fish	LOW	LOW
Shellfish	LOW	LOW
Herbs, Spices, Seasonings	LOW	LOW
Grains, Grasses	LOW	LOW
Seeds, Nuts	LOW	LOW
Fruits	LOW	LOW
Vegetables	LOW	LOW



Dietary Antigen Exposure by Food Group

In this test, a human serum sample is probed for the presence of IgE and IgG4 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 IgE and IgG4 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.

Blocking Potential

In high levels, IgG4 antibodies alone can trigger an immune response within the body. However, data is available that provides support for the notion that IgG4 can serve another specific function of controlling antigen recognition by IgE and consequently regulating anaphylactic reactions and IgE-mediated immunity. IgG4 can act as a blocking agent by preventing IgE from binding to targeted receptor sites and releasing histamine. We refer to this as the blocking potential.

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588E - Dietary Antigen Testing | 2/4

Understanding the Key

It is important to understand how reactive your patient is to a given food. Based on peer-reviewed literature and the methodology used in our test, the lower 10% of reactivity is likely asymptomatic and represents the reference range of a normal/negative result in the general population. The HIGH range represents the top 5% of reactivity, and MODERATE the next 20%. Thus, the HIGH and MODERATE ranges combined represent the top 25% of reactivity. A LOW result represents the range of reactivity between 10% and 75% of the population.

Some foods have a greater prevalence of reactivity in the general population, most notably, dairy and casein, wheat and gluten, shellfish, tree nuts, and eggs. The increased prevalence of allergies and sensitivities to these foods is reflected in our test as an adjustment of the HIGH range to the top 10% of the sample population, the MODERATE range the next 40%, and a LOW result represents the range between 10% and 50% of the population.

IgE

The IgE antibody response is the most commonly known food allergy response. This response usually occurs immediately and can create severe symptoms such as swelling, hives, itching, and - in some cases - anaphylaxis. Even though IgE reactions are immediate, the allergic potential of food-based allergens can remain in your system 1-2 days after ingestion, extending the presence of symptoms during this duration. IgE reactions can be permanent or they may improve with the elimination diet and gut treatment. IgE reactions stimulate the release of histamine in the body.

IgG4

IgG4, which is a subclass of IgG, is a distinct antibody in the immune system. IgG4 total antibody is important in relation to IgE because this antibody acts as a blocking agent for an IgE reaction. When the IgG4 reaction is greater than the IgE reaction for a particular antigen, IgG4 blocks the IgE antibodies from binding to the receptor sites and releasing histamine, thereby reducing severity of the

Patient Results

ANTIGEN	RESULT	IgE (µg/mL)	REF. RANGE	IMMUNE TOLERANCE TO IgE
MEATS, DAIRY				
Beef	LOW	1.26	<0.15 µg/ml	
Casein	MODERATE	0.39	<0.05 µg/ml	YES
Cow's Milk	LOW	0.39	<0.09 µg/ml	YES
Goat's Milk	LOW	0.51	<0.11 µg/ml	YES
Pork	LOW	0.05	<0.05 µg/ml	
POULTRY				
Chicken		0.00	<0.04 µg/ml	
Egg Albumin	HIGH	21.49	<8.25 µg/ml	
Egg Yolk	MODERATE	0.54	<0.09 µg/ml	YES
Turkey	LOW	0.28	<0.04 µg/ml	YES
LEGUMES, BEANS				
Green Pea	LOW	0.39	<0.1 µg/ml	YES
Kidney Bean		1.30	<1.66 µg/ml	YES
Lima Bean		0.05	<0.26 µg/ml	YES
Navy Bean	LOW	1.98	<0.87 µg/ml	YES
Peanut		0.00	<0.05 µg/ml	
Soybean	LOW	0.24	<0.04 µg/ml	YES
String Bean		0.00	<0.03 µg/ml	
FUNGI				
Aspergillus Mix	LOW	0.20	<0.1 µg/ml	
Brewer's Yeast		0.00	<0.04 µg/ml	
Candida	MODERATE	1.07	<0.18 µg/ml	
Mushroom		0.00	<0.02 µg/ml	
FISH				
Codfish	MODERATE	0.58	<0.05 µg/ml	
Flounder		0.00	<0.02 µg/ml	
Halibut		0.00	<0.03 µg/ml	
Salmon		0.00	<0.03 µg/ml	
Tuna		0.00	<0.07 µg/ml	

ANTIGEN	RESULT	IgG4 (µg/mL)	REF. RANGE
MEATS, DAIRY			
Beef	LOW	0.72	<0.1 µg/ml
Casein	MODERATE	7.82	<0.09 µg/ml
Cow's Milk	MODERATE	16.22	<0.17 µg/ml
Goat's Milk	LOW	2.02	<0.12 µg/ml
Pork		0.00	<0.03 µg/ml
POULTRY			
Chicken		0.00	<0.03 µg/ml
Egg Albumin	MODERATE	19.36	<6.61 µg/ml
Egg Yolk	MODERATE	7.15	<0.19 µg/ml
Turkey	MODERATE	0.54	<0.03 µg/ml
LEGUMES, BEANS			
Green Pea	MODERATE	0.44	<0.05 µg/ml
Kidney Bean	LOW	2.48	<0.13 µg/ml
Lima Bean	MODERATE	2.25	<0.42 µg/ml
Navy Bean	LOW	2.85	<0.17 µg/ml
Peanut	MODERATE	3.97	<0.05 µg/ml
Soybean	MODERATE	1.04	<0.04 µg/ml
String Bean	LOW		<0.09 µg/ml
FUNGI			
Aspergillus Mix	LOW	0.15	<0.04 µg/ml
Brewer's Yeast	LOW	0.05	<0.02 µg/ml
Candida		0.03	<0.07 µg/ml
Mushroom	LOW	0.07	<0.02 µg/ml
FISH			
Codfish	LOW	0.11	<0.03 µg/ml
Flounder		0.00	<0.02 µg/ml
Halibut		0.00	<0.02 µg/ml
Salmon		0.00	<0.02 µg/ml
Tuna	LOW	0.10	<0.04 µg/ml

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588E - Dietary Antigen Testing | 3/4

Patient Results

ANTIGEN	RESULT	IgE (µg/mL)	REF. RANGE	IMMUNE TOLERANCE TO IgE
SHELLFISH				
Clam	LOW	1.98	<1.29 µg/ml	
Crab		0.00	<0.03 µg/ml	
Lobster		0.00	<0.05 µg/ml	
Scallops		0.00	<0.03 µg/ml	
Shrimp		0.00	<0.03 µg/ml	
HERBS, SPICES, SEASONINGS				
Black Pepper		0.00	<0.06 µg/ml	
Cinnamon		0.00	<0.04 µg/ml	
Garlic		0.00	<0.03 µg/ml	
Ginger	HIGH	1.04	<0.05 µg/ml	
Hops	LOW	0.20	<0.04 µg/ml	
Mustard		0.00	<0.1 µg/ml	
Vanilla		0.00	<0.04 µg/ml	
GRAINS, GRASSES				
Barley	MODERATE	1.34	<0.28 µg/ml	
Corn	LOW	0.16	<0.04 µg/ml	
Gluten		3.12	<5.19 µg/ml	YES
Oat		0.00	<0.04 µg/ml	
Rice		0.00	<0.05 µg/ml	
Rye		0.00	<0.04 µg/ml	
Whole Wheat		0.00	<0.03 µg/ml	
SEEDS, NUTS				
Almond	MODERATE	1.22	<0.31 µg/ml	YES
Cacao	LOW	0.39	<0.05 µg/ml	
Cashew	HIGH	1.83	<0.08 µg/ml	
Coffee	LOW	0.16	<0.04 µg/ml	
Cottonseed		0.00	<0.03 µg/ml	
English Walnut	LOW	0.16	<0.04 µg/ml	
Flax Seed		0.00	<0.06 µg/ml	
Pecan		0.00	<0.03 µg/ml	
Sesame		0.00	<0.04 µg/ml	
FRUITS				
Apple	HIGH	2.89	<0.09 µg/ml	
Avocado		0.00	<0.06 µg/ml	
Banana	HIGH	2.40	<0.08 µg/ml	
Blueberry	LOW	0.16	<0.05 µg/ml	
Cantaloupe	MODERATE	0.69	<0.08 µg/ml	
Cherry		0.00	<0.02 µg/ml	
Coconut	LOW	0.28	<0.05 µg/ml	
Cucumber		0.00	<0.03 µg/ml	
Grapefruit	LOW	0.16	<0.02 µg/ml	
Grapes		0.00	<0.04 µg/ml	
Green Olive		0.01	<0.05 µg/ml	
Green Pepper		0.00	<0.04 µg/ml	
Honeydew		0.00	<0.03 µg/ml	
Lemon		0.00	<0.03 µg/ml	
Orange		0.00	<0.03 µg/ml	
Peach		0.00	<0.03 µg/ml	
Pear		0.00	<0.02 µg/ml	
Pineapple		0.00	<0.04 µg/ml	
Plum	LOW	0.13	<0.03 µg/ml	
Strawberry		0.00	<0.02 µg/ml	
Tomato		0.00	<0.04 µg/ml	
Watermelon		0.00	<0.04 µg/ml	
Yellow Squash		0.00	<0.05 µg/ml	

ANTIGEN	RESULT	IgG4 (µg/mL)	REF. RANGE
SHELLFISH			
Clam	MODERATE	0.60	<0.22 µg/ml
Crab		0.00	<0.02 µg/ml
Lobster		0.00	<0.03 µg/ml
Scallops		0.02	<0.02 µg/ml
Shrimp		0.00	<0.01 µg/ml
HERBS, SPICES, SEASONINGS			
Black Pepper		0.02	<0.03 µg/ml
Cinnamon		0.00	<0.02 µg/ml
Garlic		0.00	<0.04 µg/ml
Ginger	LOW	0.96	<0.05 µg/ml
Hops	LOW	0.03	<0.03 µg/ml
Mustard	LOW	2.20	<0.43 µg/ml
Vanilla		0.02	<0.02 µg/ml
GRAINS, GRASSES			
Barley	LOW	0.42	<0.2 µg/ml
Corn	LOW	0.03	<0.02 µg/ml
Gluten	MODERATE	7.64	<5.07 µg/ml
Oat		0.00	<0.02 µg/ml
Rice	LOW	0.07	<0.03 µg/ml
Rye	LOW	0.10	<0.03 µg/ml
Whole Wheat	LOW	0.05	<0.03 µg/ml
SEEDS, NUTS			
Almond	HIGH	8.84	<0.32 µg/ml
Cacao	LOW	0.10	<0.02 µg/ml
Cashew		0.00	<0.06 µg/ml
Coffee		0.00	<0.02 µg/ml
Cottonseed		0.00	<0.02 µg/ml
English Walnut		0.00	<0.02 µg/ml
Flax Seed	LOW	0.21	<0.06 µg/ml
Pecan	MODERATE	0.50	<0.03 µg/ml
Sesame		0.00	<0.02 µg/ml
FRUITS			
Apple	LOW	0.24	<0.05 µg/ml
Avocado	HIGH	3.96	<0.03 µg/ml
Banana	LOW	0.41	<0.17 µg/ml
Blueberry		0.00	<0.03 µg/ml
Cantaloupe	LOW	0.10	<0.04 µg/ml
Cherry		0.00	<0.02 µg/ml
Coconut		0.03	<0.04 µg/ml
Cucumber		0.00	<0.02 µg/ml
Grapefruit		0.00	<0.02 µg/ml
Grapes		0.00	<0.02 µg/ml
Green Olive		0.00	<0.03 µg/ml
Green Pepper	LOW	0.05	<0.03 µg/ml
Honeydew		0.00	<0.02 µg/ml
Lemon		0.00	<0.01 µg/ml
Orange	LOW	0.05	<0.03 µg/ml
Peach	LOW	0.02	<0.01 µg/ml
Pear		0.00	<0.02 µg/ml
Pineapple		0.00	<0.03 µg/ml
Plum	LOW	0.08	<0.02 µg/ml
Strawberry		0.00	<0.02 µg/ml
Tomato	LOW	0.03	<0.02 µg/ml
Watermelon	LOW	0.03	<0.02 µg/ml
Yellow Squash	MODERATE	0.39	<0.04 µg/ml

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588E - Dietary Antigen Testing | 4/4

Patient Results

ANTIGEN	RESULT	IgE (µg/mL)	REF. RANGE	IMMUNE TOLERANCE TO IgE
VEGETABLES				
Asparagus	MODERATE	0.85	<0.1 µg/ml	
Broccoli	LOW	0.09	<0.07 µg/ml	YES
Cabbage		0.00	<0.03 µg/ml	
Carrot	LOW	0.32	<0.06 µg/ml	
Cauliflower		0.00	<0.03 µg/ml	
Celery		0.00	<0.05 µg/ml	
Lettuce		0.00	<0.04 µg/ml	
Onion		0.00	<0.03 µg/ml	
Spinach	LOW	0.20	<0.07 µg/ml	
Sweet Potato		0.00	<0.02 µg/ml	
Tea		0.00	<0.02 µg/ml	
White Potato		0.01	<0.03 µg/ml	

ANTIGEN	RESULT	IgG4 (µg/mL)	REF. RANGE
VEGETABLES			
Asparagus	LOW	0.15	<0.05 µg/ml
Broccoli	LOW	0.16	<0.04 µg/ml
Cabbage		0.00	<0.02 µg/ml
Carrot	LOW	0.07	<0.03 µg/ml
Cauliflower		0.00	<0.02 µg/ml
Celery		0.00	<0.02 µg/ml
Lettuce	LOW	0.05	<0.02 µg/ml
Onion		0.00	<0.02 µg/ml
Spinach	LOW	0.10	<0.04 µg/ml
Sweet Potato		0.00	<0.01 µg/ml
Tea		0.00	<0.02 µg/ml
White Potato		0.00	<0.02 µg/ml

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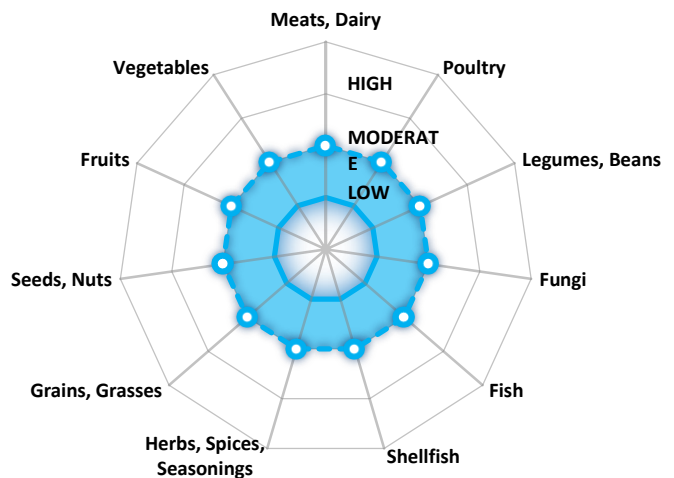
PATIENT INFO
NAME: SAMPLE PATIENT
REQUISITION ID: 1905060999
SAMPLE ID: 107122
DOB: 1/1/1971
SAMPLE DATE: 5/5/2019
RECEIVE DATE: 5/6/2019
REPORT DATE: 5/6/2019

CLINIC INFO
DUNWOODY LABS
ADDRESS: 9 DUNWOODY PARK, SUITE 121 ATLANTA, GA 30338
PHONE: 678-736-6374 FAX: 770-674-1701

588G - Dietary Antigen Testing | 1/4

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. Based on peer-reviewed literature and the methodology used in our test, the lower 10% of reactivity is likely asymptomatic and represents the reference range of a normal/negative result in the general population. The HIGH range represents the top 5% of reactivity, and MODERATE the next 20%. Thus, the HIGH and MODERATE ranges combined represent the top 25% of reactivity. A LOW result represents the range of reactivity between 10% and 75% of the population.

Some foods have a greater prevalence of reactivity in the general population, most notably, dairy and casein, wheat and gluten, shellfish, tree nuts, and eggs. The increased prevalence of allergies and sensitivities to these foods is reflected in our test as an adjustment of the HIGH range to the top 10% of the sample population, the MODERATE range the next 40%, and a LOW result represents the range between 10% and 50% of the population.

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,

Patient Results

ANTIGEN	RESULT	IgG (µg/mL)	REF. RANGE
MEATS, DAIRY			
Beef	LOW	6.45	<2.26 µg/ml
Casein	MODERATE	13.16	<0.81 µg/ml
Cow's Milk	MODERATE	51.31	<24.37 µg/ml
Goat's Milk	LOW	26.09	<15.47 µg/ml
Pork	LOW	3.90	<1.08 µg/ml
POULTRY			
Chicken		0.00	<0.11 µg/ml
Egg Albumin	LOW	34.59	<20.83 µg/ml
Egg Yolk	MODERATE	16.46	<0.8 µg/ml
Turkey	LOW	1.16	<0.18 µg/ml
LEGUMES, BEANS			
Green Pea	MODERATE	3.53	<0.33 µg/ml
Kidney Bean	LOW	3.62	<1.05 µg/ml
Lima Bean	LOW	1.07	<0.42 µg/ml
Navy Bean	LOW	4.38	<1.11 µg/ml
Peanut	MODERATE	4.28	<0.21 µg/ml
Soybean	LOW	1.83	<0.28 µg/ml
String Bean	LOW	2.30	<0.27 µg/ml
FUNGI			
Aspergillus Mix	LOW	22.03	<9.76 µg/ml
Brewer's Yeast	LOW	2.39	<0.68 µg/ml
Candida	LOW	13.44	<8.49 µg/ml
Mushroom	LOW	16.93	<4.16 µg/ml
FISH			
Codfish	MODERATE	2.11	<0.19 µg/ml
Flounder		0.00	<0.09 µg/ml
Halibut		0.00	<0.11 µg/ml
Salmon		0.00	<0.12 µg/ml
Tuna	LOW	0.31	<0.24 µg/ml

ANTIGEN	RESULT	C3D (µg/mL)	REF. RANGE
MEATS, DAIRY			
Beef		0.12	<0.21 µg/ml
Casein		0.04	<0.12 µg/ml
Cow's Milk	LOW	1.37	<0.31 µg/ml
Goat's Milk	LOW	0.79	<0.22 µg/ml
Pork	LOW	0.95	<0.37 µg/ml
POULTRY			
Chicken		0.00	<0.05 µg/ml
Egg Albumin	MODERATE	6.20	<1.5 µg/ml
Egg Yolk	MODERATE	3.06	<0.72 µg/ml
Turkey		0.00	<0.05 µg/ml
LEGUMES, BEANS			
Green Pea	LOW	0.25	<0.1 µg/ml
Kidney Bean	LOW	1.14	<0.5 µg/ml
Lima Bean	LOW	2.58	<0.37 µg/ml
Navy Bean	LOW	1.20	<0.22 µg/ml
Peanut	HIGH	1.04	<0.08 µg/ml
Soybean	MODERATE	0.94	<0.07 µg/ml
String Bean	MODERATE	0.84	<0.08 µg/ml
FUNGI			
Aspergillus Mix	LOW	0.22	<0.2 µg/ml
Brewer's Yeast		0.00	<0.09 µg/ml
Candida	LOW	1.20	<0.5 µg/ml
Mushroom	LOW	3.58	<1.92 µg/ml
FISH			
Codfish	LOW	0.06	<0.03 µg/ml
Flounder		0.00	<0.02 µg/ml
Halibut		0.00	<0.02 µg/ml
Salmon		0.00	<0.03 µg/ml
Tuna	MODERATE	0.60	<0.06 µg/ml

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Patient Results

ANTIGEN	RESULT	IgG (µg/mL)	REF. RANGE
SHELLFISH			
Clam	LOW	4.09	<4.09 µg/ml
Crab		0.00	<0.16 µg/ml
Lobster		0.00	<0.14 µg/ml
Scallops	MODERATE	1.16	<0.11 µg/ml
Shrimp		0.00	<0.12 µg/ml
HERBS, SPICES, SEASONINGS			
Black Pepper	LOW	5.23	<3.65 µg/ml
Cinnamon	MODERATE	19.29	<1.52 µg/ml
Garlic		0.00	<0.17 µg/ml
Ginger	LOW	12.21	<1.58 µg/ml
Hops	LOW	0.98	<0.32 µg/ml
Mustard	LOW	6.45	<0.35 µg/ml
Vanilla	MODERATE	19.29	<1.7 µg/ml
GRAINS, GRASSES			
Barley	LOW	4.00	<1.73 µg/ml
Corn		0.00	<0.22 µg/ml
Gluten	MODERATE	130.91	<58.12 µg/ml
Oat		0.00	<0.15 µg/ml
Rice	LOW	1.26	<0.44 µg/ml
Rye	LOW	1.45	<0.56 µg/ml
Whole Wheat		0.03	<0.14 µg/ml
SEEDS, NUTS			
Almond	MODERATE	7.30	<1.63 µg/ml
Cacao	LOW	7.40	<2.81 µg/ml
Cashew	MODERATE	3.53	<0.37 µg/ml
Coffee	LOW	1.83	<0.56 µg/ml
Cottonseed		0.00	<0.11 µg/ml
English Walnut	MODERATE	7.77	<2.06 µg/ml
Flax Seed	LOW	0.50	<0.45 µg/ml
Pecan		0.00	<0.23 µg/ml
Sesame	LOW	5.04	<0.6 µg/ml
FRUITS			
Apple	HIGH	6.26	<0.26 µg/ml
Avocado	MODERATE	5.79	<1.46 µg/ml
Banana	HIGH	12.59	<0.36 µg/ml
Blueberry		0.00	<0.2 µg/ml
Cantaloupe	LOW	1.16	<0.22 µg/ml
Cherry	LOW	0.41	<0.21 µg/ml
Coconut	LOW	0.79	<0.36 µg/ml
Cucumber	LOW	0.22	<0.09 µg/ml
Grapefruit	HIGH	10.99	<0.09 µg/ml
Grapes		0.00	<0.1 µg/ml
Green Olive	LOW	1.64	<0.68 µg/ml
Green Pepper		0.00	<0.09 µg/ml
Honeydew		0.00	<0.2 µg/ml
Lemon		0.00	<0.1 µg/ml
Orange	LOW	1.16	<0.12 µg/ml
Peach		0.00	<0.12 µg/ml
Pear		0.00	<0.13 µg/ml
Pineapple		0.00	<0.53 µg/ml
Plum	LOW	1.73	<0.26 µg/ml
Strawberry		0.00	<0.09 µg/ml
Tomato		0.00	<0.09 µg/ml
Watermelon		0.03	<0.16 µg/ml
Yellow Squash	LOW	0.88	<0.16 µg/ml

ANTIGEN	RESULT	C3D (µg/mL)	REF. RANGE
SHELLFISH			
Clam	LOW	0.80	<0.31 µg/ml
Crab		0.00	<0.05 µg/ml
Lobster		0.00	<0.03 µg/ml
Scallops		0.00	<0.04 µg/ml
Shrimp		0.00	<0.06 µg/ml
HERBS, SPICES, SEASONINGS			
Black Pepper		0.09	<0.12 µg/ml
Cinnamon	LOW	0.90	<0.42 µg/ml
Garlic	LOW	0.30	<0.05 µg/ml
Ginger	LOW	0.65	<0.34 µg/ml
Hops	LOW	0.70	<0.37 µg/ml
Mustard	LOW	0.44	<0.06 µg/ml
Vanilla		0.00	<0.04 µg/ml
GRAINS, GRASSES			
Barley	LOW	1.92	<1.25 µg/ml
Corn		0.00	<0.06 µg/ml
Gluten	MODERATE	0.99	<0.27 µg/ml
Oat		0.00	<0.03 µg/ml
Rice		0.00	<0.03 µg/ml
Rye		0.04	<0.04 µg/ml
Whole Wheat	MODERATE	0.32	<0.03 µg/ml
SEEDS, NUTS			
Almond	MODERATE	1.20	<0.35 µg/ml
Cacao	LOW	0.60	<0.37 µg/ml
Cashew	HIGH	1.42	<0.09 µg/ml
Coffee	LOW	0.80	<0.47 µg/ml
Cottonseed		0.00	<0.03 µg/ml
English Walnut	LOW	5.01	<3.28 µg/ml
Flax Seed		0.00	<0.07 µg/ml
Pecan	MODERATE	0.92	<0.24 µg/ml
Sesame		0.00	<0.05 µg/ml
FRUITS			
Apple	LOW	0.40	<0.1 µg/ml
Avocado	LOW	1.14	<0.8 µg/ml
Banana	LOW	1.45	<0.25 µg/ml
Blueberry		0.00	<0.05 µg/ml
Cantaloupe		0.00	<0.06 µg/ml
Cherry		0.00	<0.13 µg/ml
Coconut	LOW	0.24	<0.06 µg/ml
Cucumber	LOW	0.30	<0.05 µg/ml
Grapefruit		0.00	<0.02 µg/ml
Grapes		0.00	<0.04 µg/ml
Green Olive	LOW	0.29	<0.08 µg/ml
Green Pepper		0.00	<0.06 µg/ml
Honeydew		0.00	<0.03 µg/ml
Lemon	LOW	0.11	<0.03 µg/ml
Orange	MODERATE	0.39	<0.03 µg/ml
Peach		0.00	<0.06 µg/ml
Pear		0.00	<0.03 µg/ml
Pineapple		0.00	<0.06 µg/ml
Plum	LOW	0.52	<0.22 µg/ml
Strawberry		0.00	<0.03 µg/ml
Tomato	LOW	0.04	<0.03 µg/ml
Watermelon	LOW	0.29	<0.03 µg/ml
Yellow Squash	LOW	0.14	<0.04 µg/ml

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Patient Results

ANTIGEN	RESULT	IgG (µg/mL)	REF. RANGE
VEGETABLES			
Asparagus		0.00	<0.88 µg/ml
Broccoli	LOW	0.60	<0.21 µg/ml
Cabbage	LOW	0.13	<0.12 µg/ml
Carrot	LOW	1.16	<0.52 µg/ml
Cauliflower		0.00	<0.15 µg/ml
Celery		0.00	<0.18 µg/ml
Lettuce	MODERATE	1.26	<0.13 µg/ml
Onion	LOW	2.11	<0.59 µg/ml
Spinach	LOW	3.15	<0.82 µg/ml
Sweet Potato		0.00	<0.15 µg/ml
Tea	LOW	0.79	<0.74 µg/ml
White Potato	HIGH	99.46	<0.43 µg/ml

ANTIGEN	RESULT	C3D (µg/mL)	REF. RANGE
VEGETABLES			
Asparagus	LOW	0.55	<0.18 µg/ml
Broccoli	MODERATE	0.62	<0.09 µg/ml
Cabbage		0.00	<0.03 µg/ml
Carrot	LOW	0.80	<0.42 µg/ml
Cauliflower		0.00	<0.03 µg/ml
Celery		0.00	<0.04 µg/ml
Lettuce	LOW	0.34	<0.07 µg/ml
Onion		0.00	<0.03 µg/ml
Spinach	LOW	0.54	<0.28 µg/ml
Sweet Potato	LOW	1.32	<0.79 µg/ml
Tea		0.00	<0.04 µg/ml
White Potato	LOW	1.27	<0.78 µg/ml

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