

# **588-Complete**Dietary Antigen Testing

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Dunwoody Labs is an innovator of testing solutions that assist in the diagnosis and management of conditions.

#### **PATIENT INFO**

NAME: SAMPLE REPORT

REQUISITION ID: R# SAMPLE ID: Sample #

DOB: -

SAMPLE DATE: - RECEIVE DATE: -

REPORT DATE: 9/7/2017

### **CLINIC INFO**

**DUNWOODY LABS** 

ADDRESS: 9 DUNWOODY PARK

**SUITE 121** 

DUNWOODY, GA 30338

PHONE: -FAX: -

# **SUMMARY | 1/2**

	588E - ALLERGIES			5	88G - SENSITIV	ITIES		
					BLOCKING		TOTAL	COMPLEMENT
DIETARY ANTIGEN	RESULT	IgE	RESULT	IgG4	POTENTIAL	RESULT	IgG	C3d
Almond		0.00 ng/ml		0.00 ng/ml			0.00 ng/ml	
Apple	MODERATE	3.50 ng/ml		0.00 ng/ml			14.08 ng/ml	
Asparagus	MODERATE	2.70 ng/ml		0.54 ng/ml			92.91 ng/ml	
Aspergillus Mix	HIGH	36.09 ng/ml		0.00 ng/ml		HIGH	1535.75 ng/ml	
Avocado		0.04 ng/ml		0.00 ng/ml			0.00 ng/ml	
Banana		0.35 ng/ml		0.22 ng/ml			63.34 ng/ml	
Barley		0.66 ng/ml	MODERATE	2.82 ng/ml	YES	MODERATE	154.84 ng/ml	YES
Basil	MODERATE	5.90 ng/ml		0.14 ng/ml			209.74 ng/ml	
Beef		0.00 ng/ml		0.00 ng/ml			0.00 ng/ml	
Black Pepper	HIGH	8.69 ng/ml		0.00 ng/ml			291.39 ng/ml	
Blueberry		1.51 ng/ml		0.00 ng/ml			80.24 ng/ml	
Brewer's Yeast	HIGH	17.92 ng/ml		0.00 ng/ml		MODERATE	525.06 ng/ml	
Broccoli	HIGH	10.69 ng/ml		0.00 ng/ml		MODERATE	426.52 ng/ml	
Cabbage	MODERATE	5.70 ng/ml		0.00 ng/ml			8.45 ng/ml	YES
Cacao	MODERATE	5.95 ng/ml		0.00 ng/ml			104.17 ng/ml	
Candida	HIGH	18.00 ng/ml	MODERATE	0.62 ng/ml		MODERATE	678.49 ng/ml	
Cantaloupe		0.02 ng/ml		0.00 ng/ml			38.01 ng/ml	
Carrot		0.00 ng/ml		0.00 ng/ml			60.53 ng/ml	
Casein	MODERATE	5.41 ng/ml		0.00 ng/ml			306.87 ng/ml	
Celery		1.53 ng/ml		0.00 ng/ml			32.38 ng/ml	
Cherry		0.02 ng/ml		0.00 ng/ml			0.00 ng/ml	
Chicken		0.00 ng/ml		0.00 ng/ml			0.00 ng/ml	
Cinnamon		0.00 ng/ml		0.00 ng/ml			289.98 ng/ml	
Clam	HIGH	26.63 ng/ml		3.14 ng/ml		MODERATE	163.29 ng/ml	YES
Coconut		0.00 ng/ml		0.00 ng/ml			35.19 ng/ml	
Codfish		0.00 ng/ml		0.05 ng/ml	YES		49.27 ng/ml	
Coffee	MODERATE	3.04 ng/ml		0.00 ng/ml			85.87 ng/ml	
Corn		0.00 ng/ml		0.00 ng/ml			19.71 ng/ml	
Cottonseed		0.00 ng/ml		0.00 ng/ml			26.75 ng/ml	
Cow's Milk	HIGH	13.46 ng/ml		2.09 ng/ml			685.53 ng/ml	
Crab		0.00 ng/ml		0.00 ng/ml			133.73 ng/ml	
Cucumber		1.31 ng/ml		0.00 ng/ml			14.08 ng/ml	
Dill Seed	MODERATE	3.50 ng/ml		0.00 ng/ml			91.50 ng/ml	
Egg Albumin		0.00 ng/ml		0.00 ng/ml			0.00 ng/ml	
Egg Yolk		0.00 ng/ml		0.00 ng/ml			221.00 ng/ml	YES
English Walnut		0.00 ng/ml		0.00 ng/ml			0.00 ng/ml	
Flounder		0.00 ng/ml		0.00 ng/ml			5.63 ng/ml	
Garlic		0.00 ng/ml		0.00 ng/ml			40.82 ng/ml	

This test was developed and its performance characteristics determined by Dunwoody Labs or third-party reference affiliates. 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.

# SUMMARY | 2/2

		588	BE - ALLERG	IES		5	88G - SENSITIV	ITIES
					BLOCKING		TOTAL	COMPLEMENT
DIETARY ANTIGEN	RESULT	IgE	RESULT	IgG4	POTENTIAL	RESULT	IgG	C3d
Gluten	MODERATE	4.25 ng/ml		1.84 ng/ml			66.16 ng/ml	
Goat's Milk	HIGH	11.00 ng/ml		1.76 ng/ml			398.37 ng/ml	
Grapefruit	MODERATE	3.29 ng/ml	MODERATE	1.68 ng/ml			22.52 ng/ml	
Grapes	MODERATE	2.19 ng/ml		0.46 ng/ml			0.00 ng/ml	
Green Olive	MODERATE	5.31 ng/ml		0.00 ng/ml			45.05 ng/ml	
Green Pea		0.00 ng/ml		0.00 ng/ml			0.00 ng/ml	
Green Pepper		0.00 ng/ml		0.05 ng/ml	YES		9.85 ng/ml	
Halibut		0.00 ng/ml		0.00 ng/ml			0.00 ng/ml	
Honeydew Melon		0.34 ng/ml		0.00 ng/ml			0.00 ng/ml	
Horseradish		0.00 ng/ml		0.00 ng/ml			0.00 ng/ml	
Kidney/Pinto	MODERATE	5.83 ng/ml		0.00 ng/ml			15.48 ng/ml	
Lemon		0.00 ng/ml		0.70 ng/ml	YES		23.93 ng/ml	
Lettuce	MODERATE	5.33 ng/ml		0.00 ng/ml			35.19 ng/ml	
Lime		0.00 ng/ml		0.46 ng/ml	YES		26.75 ng/ml	
Lobster		0.00 ng/ml		0.00 ng/ml			0.00 ng/ml	
Mushroom		0.00 ng/ml		0.00 ng/ml			0.00 ng/ml	
Mustard	+	0.00 ng/ml		0.00 ng/ml			0.00 ng/ml	
Navy Bean		0.00 ng/ml		0.54 ng/ml	YES		0.00 ng/ml	
Oat		0.00 ng/ml		0.00 ng/ml	123		0.00 ng/ml	
Onion	MODERATE	2.63 ng/ml		0.05 ng/ml			15.48 ng/ml	
Orange	MODERATE	6.13 ng/ml		0.00 ng/ml			59.12 ng/ml	
Oregano	MODERATE	4.59 ng/ml		0.00 ng/ml			132.32 ng/ml	
Peach	MODERATE	4.16 ng/ml		0.00 ng/ml			30.97 ng/ml	
Peanut	WODERATE	0.00 ng/ml		0.00 ng/ml			0.00 ng/ml	
Pear		0.00 ng/ml		0.05 ng/ml	YES		0.00 ng/ml	
Pecan		1.53 ng/ml	MODERATE	0.70 ng/ml	ILJ		0.00 ng/ml	
Peppermint	MODERATE	7.24 ng/ml	WODERATE	0.54 ng/ml			133.73 ng/ml	YES
Pineapple	WODERATE	0.00 ng/ml		0.46 ng/ml	YES		18.30 ng/ml	TES
Plum	+				TES			
Pork		0.00 ng/ml 0.00 ng/ml		0.00 ng/ml 0.00 ng/ml			33.78 ng/ml 0.00 ng/ml	
Rice		0.00 ng/ml		0.00 ng/ml			7.04 ng/ml	
Rye Salmon		<u> </u>		U,				
Scallops		0.00 ng/ml 0.00 ng/ml		0.00 ng/ml 0.00 ng/ml			0.00 ng/ml 0.00 ng/ml	
Sesame	IIICII	0.00 ng/ml 7.37 ng/ml				MODERATE		
	HIGH	_		0.00 ng/ml	VEC	MODERATE		
Shrimp		0.00 ng/ml		0.46 ng/ml	YES		15.48 ng/ml 4.22 ng/ml	
Soybean	MODERATE	0.00 ng/ml		0.54 ng/ml	YES		U,	VEC
Spinach Squach Mix	MODERATE	2.63 ng/ml		0.00 ng/ml			68.98 ng/ml	YES
Squash Mix		0.00 ng/ml		0.00 ng/ml			11.26 ng/ml	
Strawberry		0.00 ng/ml		0.00 ng/ml	VEC -		0.00 ng/ml	
Sunflower Seed	MODERATE	0.00 ng/ml	MODERATE	0.54 ng/ml	YES		0.00 ng/ml	
Sweet Potato	MODERATE	3.64 ng/ml	MODERATE	1.27 ng/ml			54.90 ng/ml	
Tea	HIGH	10.91 ng/ml		0.00 ng/ml			175.96 ng/ml	
Tomato		1.21 ng/ml		0.00 ng/ml			5.63 ng/ml	
Tuna		0.00 ng/ml		0.00 ng/ml			0.00 ng/ml	
Turkey		0.00 ng/ml		0.00 ng/ml			0.00 ng/ml	
Vanilla		1.33 ng/ml		0.00 ng/ml			222.41 ng/ml	
Watermelon	MODERATE	3.29 ng/ml		0.00 ng/ml			21.11 ng/ml	
White Potato		0.00 ng/ml		0.00 ng/ml			40.82 ng/ml	
Whole Wheat		0.00 ng/ml		0.00 ng/ml			23.93 ng/ml	

CLIA ID: 11D1101209

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### LESS RESTRICTIVE DIET

Our Dietary Antigen Test is designed to show which commonly ingested foods are causing a response within your immune system. Foods with a moderate or high reaction are recommended to be reduced or eliminated from your diet. Please work with your practitioner to determine the best plan of treatment based on your individual responses.

High IgE reactions be eliminated from your diet. High IgG4 reactions should be eliminated as well. At high levels, IgG4 has gone beyond blocking potential and can now drive inflammation, conditions and diseases in the body. High IgG reactions with or without complement activation, should be eliminated from the diet. Anytime C3d is present the reaction will be worse. Moderate IgG reactions with complement activation should also be removed.

We understand that different patients have different needs, therefore we provide the **More Restrictive Diet** on the following page to give the practitioner a more restrictive option if necessary to match their patient's needs.

NO LIMITATION						
These foods produce no	immune reaction within	your system at this time.				
Almond	Gluten	Rye				
Apple	Grapefruit	Salmon				
Asparagus	Grapes	Scallops				
Avocado	Green Olive	Shrimp				
Banana	Green Pea	Soybean				
Basil	Green Pepper	Spinach				
Beef	Halibut	Squash Mix				
Blueberry	Honeydew Melon	Strawberry				
Cabbage	Horseradish	Sunflower Seed				
Cacao	Kidney/Pinto	Sweet Potato				
Cantaloupe	Lemon	Tomato				
Carrot	Lettuce	Tuna				
Casein	Lime	Turkey				
Celery	Lobster	Vanilla				
Cherry	Mushroom	Watermelon				
Chicken	Mustard	White Potato				
Cinnamon	Navy Bean	Whole Wheat				
Coconut	Oat					
Codfish	Onion					
Coffee	Orange					
Corn	Oregano					
Cottonseed	Peach					
Crab	Peanut					
Cucumber	Pear					
Dill Seed	Pecan					
Egg Albumin	Peppermint					
Egg Yolk	Pineapple					
English Walnut	Plum					
Flounder	Pork					
Garlic	Rice					

ELIMINATE
Remove these foods entirely from your diet.
Aspergillus Mix
Barley
Black Pepper
Brewer's Yeast
Broccoli
Candida
Clam
Cow's Milk
Goat's Milk
Sesame
Tea

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### **MORE RESTRICTIVE DIET**

We provide the diet found on this page as an alternative option with higher restrictive dietary recommendations where all moderate and high reactions are removed completely. This diet also introduces a **Rotate** category.

Low IgG reactions with complement are recommended to be rotated every 72 hours or to be reduced in amount of overall intake. While not all foods with complement are removed, a clinician may consider taking out anything that has complement present to further reduce reactions.

NO L	IMITATION				
These foods produce no immune reaction within your system at this time.					
Almond	Squash Mix				
Avocado	Strawberry				
Banana	Sunflower Seed				
Beef	Tomato				
Blueberry	Tuna				
Cantaloupe	Turkey				
Carrot	White Potato				
Celery	Whole Wheat				
Cherry					
Chicken					
Cinnamon					
Coconut					
Codfish					
Corn					
Cottonseed					
Crab					
Cucumber					
Egg Albumin					
English Walnut					
Flounder					
Garlic					
Green Pea					
Green Pepper Halibut					
Honeydew Melon					
Horseradish					
Lemon					
Lime					
Lobster					
Mushroom					
Mustard					
Navy Bean					
Oat					
Peanut					
Pear					
Pineapple					
Plum					
Pork					
Rice					
Rye					
Salmon					
Scallops					
Shrimp					
la					

oved, a clinician may consider taking out a
ROTATE
These foods should be rotated out of your diet for a period of 72 hrs or reduced in overall intake
Egg Yolk Vanilla

Dames at the	for the surface before the
Remove these	e foods entirely from your diet.
Apple	
Asparagus	
Aspergillus Mix	
Barley	
Basil	
Black Pepper	
Brewer's Yeast	
Broccoli	
Cabbage	
Cacao	
Candida	
Casein	
Clam	
Coffee	
Cow's Milk	
Dill Seed	
Gluten	
Goat's Milk	
Grapefruit	
Grapes	
Green Olive	
Kidney/Pinto	
Lettuce	
Onion	
Orange	
Oregano	
Peach	
Pecan	
Peppermint	
Sesame	
Spinach	
Sweet Potato	
Теа	
Watermelon	

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Soybean





# Dietary Antigen-Specific IgE & IgG4

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#### **PATIENT INFO**

NAME: SAMPLE REPORT

REQUISITION ID: R# SAMPLE ID: Sample #

DOB: -

SAMPLE DATE: - RECEIVE DATE: -

REPORT DATE: 9/7/2017

#### **CLINIC INFO**

#### **DUNWOODY LABS**

ADDRESS: 9 DUNWOODY PARK

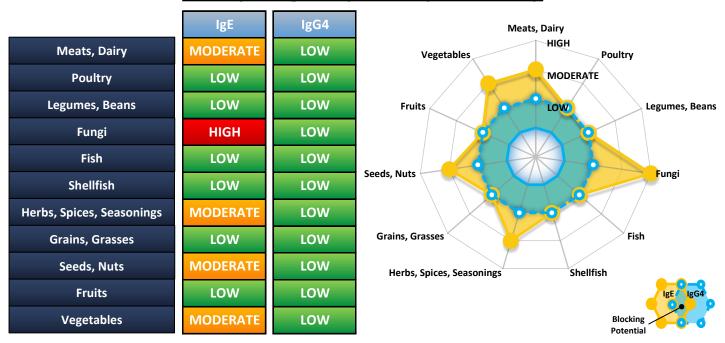
**SUITE 121** 

DUNWOODY, GA 30338

PHONE: -FAX: -

# 588E - Dietary Antigen Testing | 1/4

## **Dietary Antigen Exposure by Food Group**



### **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 anaphylatic 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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Results are not intended to be used as the sole means for clinical diagnosis. Clinical correlation is required.

### 588E - Dietary Antigen Testing | 2/4

### **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.

#### **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 symptoms associated with the IgE reaction. This is referred to as the blocking potential. IgG4 carries its own clinical relevance in high levels and may mediate several conditions and diseases.

### **Patient Results**

ANTIGEN	RESULT	IgE		REF. RANGE
MEATS, DAIRY				
Beef		0.00	ng/ml	0.00 - 41.47 ng/ml
Casein	MODERATE	5.41	ng/ml	0.00 - 41.47 ng/ml
Cow's Milk	HIGH	13.46	ng/ml	0.00 - 41.47 ng/ml
Goat's Milk	HIGH	11.00	ng/ml	0.00 - 41.47 ng/ml
Pork		0.00	ng/ml	0.00 - 41.47 ng/ml
POULTRY			<u> </u>	
Chicken		0.00	ng/ml	0.00 - 41.47 ng/ml
Egg Albumin		0.00	ng/ml	0.00 - 41.47 ng/ml
Egg Yolk		0.00	ng/ml	0.00 - 41.47 ng/ml
Turkey		0.00	ng/ml	0.00 - 41.47 ng/ml
LEGUMES, BEA	INS			
Green Pea		0.00	ng/ml	0.00 - 41.47 ng/ml
Kidney/Pinto	MODERATE	5.83	ng/ml	0.00 - 41.47 ng/ml
Navy Bean		0.00	ng/ml	0.00 - 41.47 ng/ml
Peanut		0.00	ng/ml	0.00 - 41.47 ng/ml
Soybean		0.00	ng/ml	0.00 - 41.47 ng/ml
FUNGI				
Aspergillus Mix	HIGH	36.09	ng/ml	0.00 - 41.47 ng/ml
Brewer's Yeast	HIGH	17.92	ng/ml	0.00 - 41.47 ng/ml
Candida	HIGH	18.00	ng/ml	0.00 - 41.47 ng/ml
Mushroom		0.00	ng/ml	0.00 - 41.47 ng/ml
FISH				
Codfish		0.00	ng/ml	0.00 - 41.47 ng/ml
Flounder		0.00	ng/ml	0.00 - 41.47 ng/ml
Halibut		0.00	ng/ml	0.00 - 41.47 ng/ml
Salmon		0.00	ng/ml	0.00 - 41.47 ng/ml
Tuna		0.00	ng/ml	0.00 - 41.47 ng/ml
SHELLFISH				
Clam	HIGH	26.63	ng/ml	0.00 - 41.47 ng/ml
Crab		0.00	ng/ml	0.00 - 41.47 ng/ml
Lobster		0.00	ng/ml	0.00 - 41.47 ng/ml
Scallops		0.00	ng/ml	0.00 - 41.47 ng/ml
Shrimp		0.00	ng/ml	0.00 - 41.47 ng/ml

MEATS, DAIRY	ANTIGEN	RESULT	IgG	4	REF. RANGE	BLOCKING POTENTIAL
Casein						
Cow's Milk         2.09 ng/ml         0.00 - 151 ng/ml           Goat's Milk         1.76 ng/ml         0.00 - 117.8 ng/ml           Pork         0.00 ng/ml         0.00 - 4.92 ng/ml           POULTRY           Chicken         0.00 ng/ml         0.00 - 7.26 ng/ml           Egg Albumin         0.00 ng/ml         0.00 - 137 ng/ml           Egg Yolk         0.00 ng/ml         0.00 - 68.9 ng/ml           Turkey         0.00 ng/ml         0.00 - 6.52 ng/ml           LEGUMES, BEANS           Green Pea         0.00 ng/ml         0.00 - 6.52 ng/ml           Kidney/Pinto         0.00 ng/ml         0.00 - 17.1 ng/ml           Navy Bean         0.54 ng/ml         0.00 - 19.84 ng/ml         YES           Peanut         0.00 ng/ml         0.00 - 60.77 ng/ml         YES           FUNGI         Sapergillus Mix         0.00 ng/ml         0.00 - 15.22 ng/ml         YES           FUNGI         O.00 ng/ml         0.00 - 7.09 ng/ml         YES           Washroom         0.00 ng/ml         0.00 - 10.2 ng/ml         YES           Mushroom         0.00 ng/ml         0.00 - 19.1 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 19.1 ng/ml         YES						
Goat's Milk				<u> </u>	٠.	
Pork         0.00 ng/ml         0.00 - 4.92 ng/ml           POULTRY           Chicken         0.00 ng/ml         0.00 - 7.26 ng/ml           Egg Albumin         0.00 ng/ml         0.00 - 137 ng/ml           Egg Yolk         0.00 ng/ml         0.00 - 68.9 ng/ml           Turkey         0.00 ng/ml         0.00 - 4.32 ng/ml           LEGUMES, BEANS           Green Pea         0.00 ng/ml         0.00 - 17.1 ng/ml           Kidney/Pinto         0.00 ng/ml         0.00 - 19.84 ng/ml         YES           Peanut         0.00 ng/ml         0.00 - 60.77 ng/ml         YES           Peanut         0.00 ng/ml         0.00 - 15.22 ng/ml         YES           FUNGI         YES         YES         YES           FUNGI         YES <t< td=""><td></td><td></td><td></td><td><u> </u></td><td>0.</td><td></td></t<>				<u> </u>	0.	
## POULTRY  Chicken					<u>.                                    </u>	
Chicken         0.00 ng/ml         0.00 - 7.26 ng/ml           Egg Albumin         0.00 ng/ml         0.00 - 137 ng/ml           Egg Yolk         0.00 ng/ml         0.00 - 68.9 ng/ml           Turkey         0.00 ng/ml         0.00 - 4.32 ng/ml           LEGUMES, BEANS           Green Pea         0.00 ng/ml         0.00 - 6.52 ng/ml           Kidney/Pinto         0.00 ng/ml         0.00 - 17.1 ng/ml           Navy Bean         0.54 ng/ml         0.00 - 19.84 ng/ml         YES           Peanut         0.00 ng/ml         0.00 - 60.77 ng/ml         YES           FUNGI         Soybean         0.54 ng/ml         0.00 - 15.22 ng/ml         YES           FUNGI         Aspergillus Mix         0.00 ng/ml         0.00 - 11 ng/ml         YES           FUNGI         O.00 ng/ml         0.00 - 10.2 ng/ml         YES      <			0.00	ng/ml	0.00 - 4.92 ng/ml	
Egg Albumin         0.00 ng/ml         0.00 - 137 ng/ml           Egg Yolk         0.00 ng/ml         0.00 - 68.9 ng/ml           Turkey         0.00 ng/ml         0.00 - 4.32 ng/ml           LEGUMES, BEANS           Green Pea         0.00 ng/ml         0.00 - 6.52 ng/ml           Kidney/Pinto         0.00 ng/ml         0.00 - 17.1 ng/ml           Navy Bean         0.54 ng/ml         0.00 - 19.84 ng/ml         YES           Peanut         0.00 ng/ml         0.00 - 60.77 ng/ml         YES           Soybean         0.54 ng/ml         0.00 - 15.22 ng/ml         YES           FUNGI         YES         YES         YES           FUNGI         0.00 ng/ml         0.00 - 11 ng/ml         YES           FUNGI         0.00 ng/ml         0.00 - 10.2 ng/ml         YES           Candida         MODERATE						
Egg Yolk         0.00 ng/ml         0.00 - 68.9 ng/ml           Turkey         0.00 ng/ml         0.00 - 4.32 ng/ml           LEGUMES, BEANS           Green Pea         0.00 ng/ml         0.00 - 6.52 ng/ml           Kidney/Pinto         0.00 ng/ml         0.00 - 17.1 ng/ml           Navy Bean         0.54 ng/ml         0.00 - 19.84 ng/ml         YES           Peanut         0.00 ng/ml         0.00 - 60.77 ng/ml         YES           FUNGI           Aspergillus Mix         0.00 ng/ml         0.00 - 11 ng/ml         YES           FUNGI         0.00 ng/ml         0.00 - 7.09 ng/ml         YES           FUNGI         0.00 ng/ml         0.00 - 10.2 ng/ml </td <td>Chicken</td> <td></td> <td>0.00</td> <td>ng/ml</td> <td>0.00 - 7.26 ng/ml</td> <td></td>	Chicken		0.00	ng/ml	0.00 - 7.26 ng/ml	
Turkey 0.00 ng/ml 0.00 - 4.32 ng/ml  LEGUMES, BEANS  Green Pea 0.00 ng/ml 0.00 - 6.52 ng/ml  Kidney/Pinto 0.00 ng/ml 0.00 - 17.1 ng/ml  Navy Bean 0.54 ng/ml 0.00 - 19.84 ng/ml YES  Peanut 0.00 ng/ml 0.00 - 60.77 ng/ml  Soybean 0.54 ng/ml 0.00 - 15.22 ng/ml YES  FUNGI  Aspergillus Mix 0.00 ng/ml 0.00 - 11 ng/ml  Brewer's Yeast 0.00 ng/ml 0.00 - 7.09 ng/ml  Candida MODERATE 0.62 ng/ml 0.00 - 10.2 ng/ml  Mushroom 0.00 ng/ml 0.00 - 18.08 ng/ml  FISH  Codfish 0.05 ng/ml 0.00 - 19.1 ng/ml  Halibut 0.00 ng/ml 0.00 - 16 ng/ml  Salmon 0.00 ng/ml 0.00 - 5.47 ng/ml  SHELLFISH  Clam 3.14 ng/ml 0.00 - 13.5 ng/ml  Crab 0.00 ng/ml 0.00 - 10.78 ng/ml  Scallops 0.00 ng/ml 0.00 - 4.71 ng/ml	Egg Albumin		0.00	ng/ml	0.00 - 137 ng/ml	
LEGUMES, BEANS           Green Pea         0.00 ng/ml         0.00 - 6.52 ng/ml           Kidney/Pinto         0.00 ng/ml         0.00 - 17.1 ng/ml           Navy Bean         0.54 ng/ml         0.00 - 19.84 ng/ml         YES           Peanut         0.00 ng/ml         0.00 - 60.77 ng/ml         YES           Soybean         0.54 ng/ml         0.00 - 15.22 ng/ml         YES           FUNGI           Aspergillus Mix         0.00 ng/ml         0.00 - 11 ng/ml         YES           Brewer's Yeast         0.00 ng/ml         0.00 - 7.09 ng/ml         O.00 - 7.09 ng/ml           Candida         MODERATE         0.62 ng/ml         0.00 - 10.2 ng/ml           Mushroom         0.00 ng/ml         0.00 - 18.08 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 9.72 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 19.1 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 16 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 16 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 16 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 18.07 ng/ml           Sal	Egg Yolk		0.00	ng/ml	0.00 - 68.9 ng/ml	
Green Pea         0.00 ng/ml         0.00 - 6.52 ng/ml           Kidney/Pinto         0.00 ng/ml         0.00 - 17.1 ng/ml           Navy Bean         0.54 ng/ml         0.00 - 19.84 ng/ml         YES           Peanut         0.00 ng/ml         0.00 - 60.77 ng/ml         YES           Soybean         0.54 ng/ml         0.00 - 15.22 ng/ml         YES           FUNGI           Aspergillus Mix         0.00 ng/ml         0.00 - 11 ng/ml         YES           Brewer's Yeast         0.00 ng/ml         0.00 - 7.09 ng/ml         O.00 - 7.09 ng/ml           Candida         MODERATE         0.62 ng/ml         0.00 - 10.2 ng/ml         O.00 - 10.2 ng/ml           Mushroom         0.00 ng/ml         0.00 - 9.72 ng/ml         YES           FISH           Codfish         0.05 ng/ml         0.00 - 9.72 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 19.1 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 16 ng/ml         YE	Turkey		0.00	ng/ml	0.00 - 4.32 ng/ml	
Kidney/Pinto         0.00 ng/ml         0.00 - 17.1 ng/ml           Navy Bean         0.54 ng/ml         0.00 - 19.84 ng/ml         YES           Peanut         0.00 ng/ml         0.00 - 60.77 ng/ml         YES           Soybean         0.54 ng/ml         0.00 - 15.22 ng/ml         YES           FUNGI           Aspergillus Mix         0.00 ng/ml         0.00 - 11 ng/ml         YES           Brewer's Yeast         0.00 ng/ml         0.00 - 7.09 ng/ml         O.00 - 7.09 ng/ml           Candida         MODERATE         0.62 ng/ml         0.00 - 10.2 ng/ml           Mushroom         0.00 ng/ml         0.00 - 18.08 ng/ml         YES           FISH         September S	LEGUMES, BEA	INS				
Navy Bean         0.54 ng/ml         0.00 - 19.84 ng/ml         YES           Peanut         0.00 ng/ml         0.00 - 60.77 ng/ml         YES           Soybean         0.54 ng/ml         0.00 - 15.22 ng/ml         YES           FUNGI           Aspergillus Mix         0.00 ng/ml         0.00 - 11 ng/ml         YES           Brewer's Yeast         0.00 ng/ml         0.00 - 7.09 ng/ml         O.00 - 7.09 ng/ml           Candida         MODERATE         0.62 ng/ml         0.00 - 10.2 ng/ml           Mushroom         0.00 ng/ml         0.00 - 10.2 ng/ml           FISH         VES         YES           Codfish         0.05 ng/ml         0.00 - 9.72 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 19.1 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 16 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 6.93 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 6.93 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 5.47 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 18.07 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 13.07 ng/ml<	Green Pea		0.00	ng/ml	0.00 - 6.52 ng/ml	
Peanut         0.00 ng/ml         0.00 - 60.77 ng/ml           Soybean         0.54 ng/ml         0.00 - 15.22 ng/ml         YES           FUNGI           Aspergillus Mix         0.00 ng/ml         0.00 - 11 ng/ml         VES           Brewer's Yeast         0.00 ng/ml         0.00 - 7.09 ng/ml         O.00 - 7.09 ng/ml           Candida         MODERATE         0.62 ng/ml         0.00 - 10.2 ng/ml           Mushroom         0.00 ng/ml         0.00 - 18.08 ng/ml           FISH         VES         Plounder         0.00 ng/ml         0.00 - 9.72 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 19.1 ng/ml         YES         Plounder         0.00 ng/ml         0.00 - 16 ng/ml         O.00 - 16 ng/ml         Salmon         0.00 ng/ml         0.00 - 6.93 ng/ml         Tuna         0.00 ng/ml         0.00 - 5.47 ng/ml         SHELLFISH           Clam         3.14 ng/ml         0.00 - 18.07 ng/ml         O.00 - 13.5 ng/ml         Crab         0.00 ng/ml         0.00 - 10.78 ng/ml         O.00 - 4.71 ng/ml         Scallops         0.00 ng/ml         0.00 - 4.71 ng/ml         O.00 - 10.78 ng/ml         O.00 - 10.78 ng/ml         O.00 - 10.78 ng/ml         O.00 - 10	Kidney/Pinto		0.00	ng/ml	0.00 - 17.1 ng/ml	
Soybean         0.54 ng/ml         0.00 - 15.22 ng/ml         YES           FUNGI           Aspergillus Mix         0.00 ng/ml         0.00 - 11 ng/ml         0.00 - 7.09 ng/ml           Brewer's Yeast         0.00 ng/ml         0.00 - 7.09 ng/ml         0.00 - 7.09 ng/ml           Candida         MODERATE         0.62 ng/ml         0.00 - 10.2 ng/ml           Mushroom         0.00 ng/ml         0.00 - 18.08 ng/ml           FISH           Codfish         0.05 ng/ml         0.00 - 9.72 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 19.1 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 16 ng/ml         0.00 - 16 ng/ml           Salmon         0.00 ng/ml         0.00 - 6.93 ng/ml         0.00 - 5.47 ng/ml           SHELLFISH           Clam         3.14 ng/ml         0.00 - 18.07 ng/ml         0.00 - 13.5 ng/ml           Crab         0.00 ng/ml         0.00 - 10.78 ng/ml         0.00 - 4.71 ng/ml           Scallops         0.00 ng/ml         0.00 - 4.71 ng/ml	Navy Bean		0.54	ng/ml	0.00 - 19.84 ng/ml	YES
FUNGI           Aspergillus Mix         0.00 ng/ml         0.00 - 11 ng/ml         0.00 - 7.09 ng/ml           Brewer's Yeast         0.00 ng/ml         0.00 - 7.09 ng/ml         0.00 - 7.09 ng/ml           Candida         MODERATE         0.62 ng/ml         0.00 - 10.2 ng/ml           Mushroom         0.00 ng/ml         0.00 - 18.08 ng/ml           FISH           Codfish         0.05 ng/ml         0.00 - 9.72 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 19.1 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 16 ng/ml         0.00 - 16 ng/ml           Salmon         0.00 ng/ml         0.00 - 6.93 ng/ml         0.00 - 5.47 ng/ml           SHELLFISH           Clam         3.14 ng/ml         0.00 - 18.07 ng/ml         0.00 - 13.5 ng/ml           Crab         0.00 ng/ml         0.00 - 10.78 ng/ml         0.00 - 4.71 ng/ml	Peanut		0.00	ng/ml	0.00 - 60.77 ng/ml	
Aspergillus Mix	Soybean		0.54	ng/ml	0.00 - 15.22 ng/ml	YES
Brewer's Yeast         0.00 ng/ml         0.00 - 7.09 ng/ml           Candida         MODERATE         0.62 ng/ml         0.00 - 10.2 ng/ml           Mushroom         0.00 ng/ml         0.00 - 18.08 ng/ml           FISH           Codfish         0.05 ng/ml         0.00 - 9.72 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 19.1 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 16 ng/ml         O.00 - 16 ng/ml           Salmon         0.00 ng/ml         0.00 - 6.93 ng/ml         Tuna           SHELLFISH           Clam         3.14 ng/ml         0.00 - 18.07 ng/ml           Crab         0.00 ng/ml         0.00 - 13.5 ng/ml           Lobster         0.00 ng/ml         0.00 - 4.71 ng/ml	FUNGI					
Candida         MODERATE         0.62 ng/ml         0.00 - 10.2 ng/ml           Mushroom         0.00 ng/ml         0.00 - 18.08 ng/ml           FISH         Codfish         0.05 ng/ml         0.00 - 9.72 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 19.1 ng/ml         Halibut         0.00 ng/ml         0.00 - 16 ng/ml           Salmon         0.00 ng/ml         0.00 - 6.93 ng/ml         Tuna         0.00 ng/ml         0.00 - 5.47 ng/ml           SHELLFISH           Clam         3.14 ng/ml         0.00 - 18.07 ng/ml         Crab         0.00 ng/ml         0.00 - 13.5 ng/ml           Lobster         0.00 ng/ml         0.00 - 10.78 ng/ml         Scallops         0.00 ng/ml         0.00 - 4.71 ng/ml	Aspergillus Mix		0.00	ng/ml	0.00 - 11 ng/ml	
Mushroom         0.00 ng/ml         0.00 - 18.08 ng/ml           FISH         YES           Codfish         0.05 ng/ml         0.00 - 9.72 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 19.1 ng/ml         YES           Halibut         0.00 ng/ml         0.00 - 16 ng/ml         O.00 - 16 ng/ml           Salmon         0.00 ng/ml         0.00 - 6.93 ng/ml         Tuna           VELLFISH         O.00 ng/ml         0.00 - 5.47 ng/ml           Crab         0.00 ng/ml         0.00 - 13.5 ng/ml           Lobster         0.00 ng/ml         0.00 - 10.78 ng/ml           Scallops         0.00 ng/ml         0.00 - 4.71 ng/ml	Brewer's Yeast		0.00	ng/ml	0.00 - 7.09 ng/ml	
FISH         O.05 ng/ml         0.00 - 9.72 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 19.1 ng/ml         Halibut         0.00 ng/ml         0.00 - 16 ng/ml         O.00 - 16 ng/ml         O.00 - 10 ng/ml         O.00 - 6.93 ng/ml         O.00 - 5.47 ng/ml         O.00 ng/ml         O.00 - 5.47 ng/ml         O.00 ng/ml         O.00 - 5.47 ng/ml         O.00 ng/ml         O.00 - 13.07 ng/ml         O.00 ng/ml         O.00 - 13.5 ng/ml         O.00 ng/ml         O.00 - 10.78 ng/ml         O.00 ng/ml         O.00 - 4.71 ng/ml         O.00 - 10.78 ng/ml         O.00 - 4.71 ng/m	Candida	MODERATE	0.62	ng/ml	0.00 - 10.2 ng/ml	
Codfish         0.05 ng/ml         0.00 - 9.72 ng/ml         YES           Flounder         0.00 ng/ml         0.00 - 19.1 ng/ml         0.00 - 19.1 ng/ml           Halibut         0.00 ng/ml         0.00 - 16 ng/ml         0.00 - 6.93 ng/ml           Salmon         0.00 ng/ml         0.00 - 5.47 ng/ml         0.00 - 5.47 ng/ml           Tuna         0.00 ng/ml         0.00 - 18.07 ng/ml         0.00 - 13.07 ng/ml           Clam         3.14 ng/ml         0.00 - 13.5 ng/ml         0.00 - 10.78 ng/ml           Crab         0.00 ng/ml         0.00 - 10.78 ng/ml         0.00 - 4.71 ng/ml           Scallops         0.00 ng/ml         0.00 - 4.71 ng/ml	Mushroom		0.00	ng/ml	0.00 - 18.08 ng/ml	
Flounder 0.00 ng/ml 0.00 - 19.1 ng/ml Halibut 0.00 ng/ml 0.00 - 16 ng/ml Salmon 0.00 ng/ml 0.00 - 6.93 ng/ml Tuna 0.00 ng/ml 0.00 - 5.47 ng/ml  SHELLFISH Clam 3.14 ng/ml 0.00 - 18.07 ng/ml Crab 0.00 ng/ml 0.00 - 13.5 ng/ml Lobster 0.00 ng/ml 0.00 - 10.78 ng/ml Scallops 0.00 ng/ml 0.00 - 4.71 ng/ml	FISH					
Halibut 0.00 ng/ml 0.00 - 16 ng/ml Salmon 0.00 ng/ml 0.00 - 6.93 ng/ml Tuna 0.00 ng/ml 0.00 - 5.47 ng/ml  SHELLFISH Clam 3.14 ng/ml 0.00 - 18.07 ng/ml Crab 0.00 ng/ml 0.00 - 13.5 ng/ml Lobster 0.00 ng/ml 0.00 - 10.78 ng/ml Scallops 0.00 ng/ml 0.00 - 4.71 ng/ml	Codfish		0.05	ng/ml	0.00 - 9.72 ng/ml	YES
Salmon         0.00 ng/ml         0.00 - 6.93 ng/ml           Tuna         0.00 ng/ml         0.00 - 5.47 ng/ml           SHELLFISH           Clam         3.14 ng/ml         0.00 - 18.07 ng/ml           Crab         0.00 ng/ml         0.00 - 13.5 ng/ml           Lobster         0.00 ng/ml         0.00 - 10.78 ng/ml           Scallops         0.00 ng/ml         0.00 - 4.71 ng/ml	Flounder		0.00	ng/ml	0.00 - 19.1 ng/ml	
Tuna         0.00 ng/ml         0.00 - 5.47 ng/ml           SHELLFISH           Clam         3.14 ng/ml         0.00 - 18.07 ng/ml           Crab         0.00 ng/ml         0.00 - 13.5 ng/ml           Lobster         0.00 ng/ml         0.00 - 10.78 ng/ml           Scallops         0.00 ng/ml         0.00 - 4.71 ng/ml	Halibut		0.00	ng/ml	0.00 - 16 ng/ml	
SHELLFISH           Clam         3.14 ng/ml         0.00 - 18.07 ng/ml           Crab         0.00 ng/ml         0.00 - 13.5 ng/ml           Lobster         0.00 ng/ml         0.00 - 10.78 ng/ml           Scallops         0.00 ng/ml         0.00 - 4.71 ng/ml	Salmon		0.00	ng/ml	0.00 - 6.93 ng/ml	
Clam     3.14 ng/ml     0.00 - 18.07 ng/ml       Crab     0.00 ng/ml     0.00 - 13.5 ng/ml       Lobster     0.00 ng/ml     0.00 - 10.78 ng/ml       Scallops     0.00 ng/ml     0.00 - 4.71 ng/ml	Tuna		0.00	ng/ml	0.00 - 5.47 ng/ml	
Crab         0.00 ng/ml         0.00 - 13.5 ng/ml           Lobster         0.00 ng/ml         0.00 - 10.78 ng/ml           Scallops         0.00 ng/ml         0.00 - 4.71 ng/ml	SHELLFISH					
Crab         0.00 ng/ml         0.00 - 13.5 ng/ml           Lobster         0.00 ng/ml         0.00 - 10.78 ng/ml           Scallops         0.00 ng/ml         0.00 - 4.71 ng/ml	Clam		3.14	ng/ml	0.00 - 18.07 ng/ml	
Lobster         0.00 ng/ml         0.00 - 10.78 ng/ml           Scallops         0.00 ng/ml         0.00 - 4.71 ng/ml	Crab		0.00		<u>.                                    </u>	
Scallops 0.00 ng/ml 0.00 - 4.71 ng/ml	Lobster		0.00		<u>.</u>	
1 5,	Scallops					
				<u> </u>	U,	YES

This test was developed and its performance characteristics determined by Dunwoody Labs or third-party reference affiliates. 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.

# 588E - Dietary Antigen Testing | 3/4

# **Patient Results**

ANTIGEN		lgE		REF. RANGE
HERBS, SPICES	, SEASONING	S		
Basil	MODERATE	5.90	ng/ml	0.00 - 41.47 ng/ml
Black Pepper	HIGH	8.69	ng/ml	0.00 - 41.47 ng/ml
Cinnamon		0.00	ng/ml	0.00 - 41.47 ng/ml
Dill Seed	MODERATE	3.50	ng/ml	0.00 - 41.47 ng/ml
Garlic		0.00	ng/ml	0.00 - 41.47 ng/ml
Mustard		0.00	ng/ml	0.00 - 41.47 ng/ml
Oregano	MODERATE	4.59	ng/ml	0.00 - 41.47 ng/ml
Peppermint	MODERATE	7.24	ng/ml	0.00 - 41.47 ng/ml
Vanilla		1.33	ng/ml	0.00 - 41.47 ng/ml
GRAINS, GRAS	SES			
Barley		0.66	ng/ml	0.00 - 41.47 ng/ml
Corn		0.00	ng/ml	0.00 - 41.47 ng/ml
Gluten	MODERATE	4.25	ng/ml	0.00 - 41.47 ng/ml
Oat		0.00	ng/ml	0.00 - 41.47 ng/ml
Rice		0.00	ng/ml	0.00 - 41.47 ng/ml
Rye		0.00	ng/ml	0.00 - 41.47 ng/ml
Whole Wheat		0.00	ng/ml	0.00 - 41.47 ng/ml
SEEDS, NUTS				
Almond		0.00	ng/ml	0.00 - 41.47 ng/ml
Cacao	MODERATE	5.95	ng/ml	0.00 - 41.47 ng/ml
Coffee	MODERATE	3.04	ng/ml	0.00 - 41.47 ng/ml
Cottonseed		0.00	ng/ml	0.00 - 41.47 ng/ml
English Walnut		0.00	ng/ml	0.00 - 41.47 ng/ml
Pecan		1.53	ng/ml	0.00 - 41.47 ng/ml
Sesame	HIGH	7.37	ng/ml	0.00 - 41.47 ng/ml
Sunflower Seed		0.00	ng/ml	0.00 - 41.47 ng/ml
FRUITS				
Apple	MODERATE	3.50	ng/ml	0.00 - 41.47 ng/ml
Avocado		0.04	ng/ml	0.00 - 41.47 ng/ml
Banana		0.35	ng/ml	0.00 - 41.47 ng/ml
Discolorous.				
Blueberry		1.51	ng/ml	0.00 - 41.47 ng/ml
Cantaloupe		1.51 0.02	ng/ml	0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml
•				
Cantaloupe		0.02	ng/ml	0.00 - 41.47 ng/ml
Cantaloupe Cherry		0.02 0.02	ng/ml	0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml
Cantaloupe Cherry Coconut	MODERATE	0.02 0.02 0.00	ng/ml ng/ml	0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml
Cantaloupe Cherry Coconut Cucumber	MODERATE MODERATE	0.02 0.02 0.00 1.31	ng/ml ng/ml ng/ml ng/ml	0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml
Cantaloupe Cherry Coconut Cucumber Grapefruit		0.02 0.02 0.00 1.31 3.29 2.19	ng/ml ng/ml ng/ml ng/ml ng/ml	0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml
Cantaloupe Cherry Coconut Cucumber Grapefruit Grapes	MODERATE	0.02 0.02 0.00 1.31 3.29 2.19	ng/ml ng/ml ng/ml ng/ml ng/ml	0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml
Cantaloupe Cherry Coconut Cucumber Grapefruit Grapes Green Olive	MODERATE	0.02 0.02 0.00 1.31 3.29 2.19 5.31	ng/ml ng/ml ng/ml ng/ml ng/ml ng/ml	0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml
Cantaloupe Cherry Coconut Cucumber Grapefruit Grapes Green Olive Green Pepper	MODERATE	0.02 0.02 0.00 1.31 3.29 2.19 5.31 0.00	ng/ml ng/ml ng/ml ng/ml ng/ml ng/ml ng/ml ng/ml	0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml
Cantaloupe Cherry Coconut Cucumber Grapefruit Grapes Green Olive Green Pepper Honeydew Melon	MODERATE	0.02 0.00 1.31 3.29 2.19 5.31 0.00 0.34	ng/ml ng/ml ng/ml ng/ml ng/ml ng/ml ng/ml ng/ml	0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml
Cantaloupe Cherry Coconut Cucumber Grapefruit Grapes Green Olive Green Pepper Honeydew Melon Lemon	MODERATE	0.02 0.02 0.00 1.31 3.29 2.19 5.31 0.00 0.34 0.00	ng/ml	0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml
Cantaloupe Cherry Coconut Cucumber Grapefruit Grapes Green Olive Green Pepper Honeydew Melon Lemon Lime	MODERATE MODERATE	0.02 0.02 0.00 1.31 3.29 2.19 5.31 0.00 0.34 0.00	ng/ml	0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml
Cantaloupe Cherry Coconut Cucumber Grapefruit Grapes Green Olive Green Pepper Honeydew Melon Lemon Lime Orange	MODERATE  MODERATE  MODERATE	0.02 0.02 0.00 1.31 3.29 2.19 5.31 0.00 0.34 0.00 6.13	ng/ml	0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml
Cantaloupe Cherry Coconut Cucumber Grapefruit Grapes Green Olive Green Pepper Honeydew Melon Lemon Lime Orange Peach	MODERATE  MODERATE  MODERATE	0.02 0.02 0.00 1.31 3.29 2.19 5.31 0.00 0.34 0.00 6.13 4.16	ng/ml	0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml
Cantaloupe Cherry Coconut Cucumber Grapefruit Grapes Green Olive Green Pepper Honeydew Melon Lemon Lime Orange Peach Pear	MODERATE  MODERATE  MODERATE	0.02 0.02 0.00 1.31 3.29 2.19 5.31 0.00 0.34 0.00 6.13 4.16 0.00	ng/ml	0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml
Cantaloupe Cherry Coconut Cucumber Grapefruit Grapes Green Olive Green Pepper Honeydew Melon Lemon Lime Orange Peach Pear Pineapple	MODERATE  MODERATE  MODERATE	0.02 0.02 0.00 1.31 3.29 2.19 5.31 0.00 0.34 0.00 6.13 4.16 0.00 0.00	ng/ml	0.00 - 41.47 ng/ml 0.00 - 41.47 ng/ml
Cantaloupe Cherry Coconut Cucumber Grapefruit Grapes Green Olive Green Pepper Honeydew Melon Lemon Lime Orange Peach Pear Pineapple Plum	MODERATE  MODERATE  MODERATE	0.02 0.02 0.00 1.31 3.29 2.19 5.31 0.00 0.34 0.00 6.13 4.16 0.00 0.00 0.00	ng/ml	0.00 - 41.47 ng/ml
Cantaloupe Cherry Coconut Cucumber Grapefruit Grapes Green Olive Green Pepper Honeydew Melon Lemon Lime Orange Peach Pear Pineapple Plum Squash Mix	MODERATE  MODERATE  MODERATE	0.02 0.02 0.00 1.31 3.29 2.19 5.31 0.00 0.34 0.00 6.13 4.16 0.00 0.00 0.00 0.00	ng/ml	0.00 - 41.47 ng/ml
Cantaloupe Cherry Coconut Cucumber Grapefruit Grapes Green Olive Green Pepper Honeydew Melon Lemon Lime Orange Peach Pear Pineapple Plum Squash Mix Strawberry	MODERATE  MODERATE  MODERATE	0.02 0.02 0.00 1.31 3.29 2.19 5.31 0.00 0.34 0.00 6.13 4.16 0.00 0.00 0.00 0.00 0.00	ng/ml	0.00 - 41.47 ng/ml

ANTIGEN	RESULT	IgG	4	REF. RANGE	BLOCKING POTENTIAL
HERBS, SPICES	, SEASONINGS				
Basil		0.14	ng/ml	0.00 - 19.2 ng/ml	
Black Pepper		0.00	ng/ml	0.00 - 16.19 ng/ml	
Cinnamon		0.00		0.00 - 16.08 ng/ml	
Dill Seed			ng/ml	0.00 - 15.25 ng/ml	
Garlic		0.00	ng/ml	0.00 - 12.9 ng/ml	
Mustard		0.00		0.00 - 14 ng/ml	
Oregano		0.00		0.00 - 11.91 ng/ml	
Peppermint		0.54	ng/ml	0.00 - 9.34 ng/ml	
Vanilla		0.00	ng/ml	0.00 - 5.56 ng/ml	
GRAINS, GRAS					
Barley	MODERATE	2.82	ng/ml	0.00 - 20.4 ng/ml	YES
Corn		0.00	ng/ml	0.00 - 9.05 ng/ml	
Gluten		1.84	ng/ml	0.00 - 133.8 ng/ml	
Oat		0.00	ng/ml	0.00 - 7.8 ng/ml	
Rice		0.00	ng/ml	0.00 - 7.72 ng/ml	
Rye		0.00	ng/ml	0.00 - 5.44 ng/ml	
Whole Wheat		0.00	ng/ml	0.00 - 9.88 ng/ml	
SEEDS, NUTS					
Almond		0.00	ng/ml	0.00 - 75 ng/ml	
Cacao		0.00	ng/ml	0.00 - 15.8 ng/ml	
Coffee		0.00		0.00 - 11.87 ng/ml	
Cottonseed		0.00		0.00 - 14.16 ng/ml	
English Walnut		0.00	ng/ml	0.00 - 20.9 ng/ml	
Pecan	MODERATE	0.70	ng/ml	0.00 - 9.04 ng/ml	
Sesame		0.00	ng/ml	0.00 - 4.11 ng/ml	
Sunflower Seed		0.54	ng/ml	0.00 - 11.04 ng/ml	YES
FRUITS					
Apple			ng/ml	0.00 - 13.2 ng/ml	
Avocado		0.00		0.00 - 12 ng/ml	
Banana		0.22	ng/ml	0.00 - 19.9 ng/ml	
Blueberry		0.00	ng/ml	0.00 - 12.1 ng/ml	
Cantaloupe		0.00	ng/ml	0.00 - 15.2 ng/ml	
Cherry		0.00	ng/ml	0.00 - 12.27 ng/ml	
Coconut		0.00	ng/ml	0.00 - 10.87 ng/ml	
Cucumber		0.00	ng/ml	0.00 - 7.15 ng/ml	
Grapefruit	MODERATE	1.68	ng/ml	0.00 - 41.35 ng/ml	
Grapes		0.46	ng/ml	0.00 - 9.27 ng/ml	
Green Olive		0.00	ng/ml	0.00 - 11 ng/ml	
Green Pepper		0.05	ng/ml	0.00 - 10.17 ng/ml	YES
Honeydew Melon		0.00	ng/ml	0.00 - 10.61 ng/ml	
Lemon		0.70	ng/ml	0.00 - 18.43 ng/ml	YES
Lime		0.46	ng/ml	0.00 - 12.53 ng/ml	YES
Orange		0.00	ng/ml	0.00 - 8.75 ng/ml	
Peach		0.00	ng/ml	0.00 - 12.65 ng/ml	VEC
Pear		0.05	ng/ml	0.00 - 15 ng/ml	YES
Pineapple		0.46	ng/ml	0.00 - 4.88 ng/ml	YES
Plum		0.00	ng/ml	0.00 - 12.21 ng/ml	
Squash Mix		0.00	ng/ml	0.00 - 4.96 ng/ml	
Strawberry		0.00	ng/ml	0.00 - 6.84 ng/ml	
Tomato		0.00	ng/ml	0.00 - 4.17 ng/ml	
Watermelon		0.00	ng/ml	0.00 - 6.36 ng/ml	

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Results are not intended to be used as the sole means for clinical diagnosis. Clinical correlation is required.

# 588E - Dietary Antigen Testing | 4/4

# **Patient Results**

ANTIGEN	RESULT	IgE		REF. RANGE
VEGETABLES				
Asparagus	MODERATE	2.70	ng/ml	0.00 - 41.47 ng/ml
Broccoli	HIGH	10.69	ng/ml	0.00 - 41.47 ng/ml
Cabbage	MODERATE	5.70	ng/ml	0.00 - 41.47 ng/ml
Carrot		0.00	ng/ml	0.00 - 41.47 ng/ml
Celery		1.53	ng/ml	0.00 - 41.47 ng/ml
Horseradish		0.00	ng/ml	0.00 - 41.47 ng/ml
Lettuce	MODERATE	5.33	ng/ml	0.00 - 41.47 ng/ml
Onion	MODERATE	2.63	ng/ml	0.00 - 41.47 ng/ml
Spinach	MODERATE	2.63	ng/ml	0.00 - 41.47 ng/ml
Sweet Potato	MODERATE	3.64	ng/ml	0.00 - 41.47 ng/ml
Tea	HIGH	10.91	ng/ml	0.00 - 41.47 ng/ml
White Potato		0.00	ng/ml	0.00 - 41.47 ng/ml

ANTIGEN	RESULT	IgG	4	REF. RANGE	BLOCKING POTENTIAL
VEGETABLES					
Asparagus		0.54	ng/ml	0.00 - 13.2 ng/ml	
Broccoli		0.00	ng/ml	0.00 - 13.7 ng/ml	
Cabbage		0.00	ng/ml	0.00 - 12.1 ng/ml	
Carrot		0.00	ng/ml	0.00 - 14.5 ng/ml	
Celery		0.00	ng/ml	0.00 - 8.85 ng/ml	
Horseradish		0.00	ng/ml	0.00 - 13.5 ng/ml	
Lettuce		0.00	ng/ml	0.00 - 14.94 ng/ml	
Onion		0.05	ng/ml	0.00 - 4.35 ng/ml	
Spinach		0.00	ng/ml	0.00 - 6.49 ng/ml	
Sweet Potato	MODERATE	1.27	ng/ml	0.00 - 9.24 ng/ml	
Tea		0.00	ng/ml	0.00 - 3.8 ng/ml	
White Potato		0.00	ng/ml	0.00 - 9.58 ng/ml	

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GA Clinical License: 044-160 CLIA ID: 11D1101209





# Dietary Antigen-Specific IgG with Complement

Dunwoody, GA 30338

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Dunwoody Labs is an innovator of testing solutions that assist in the diagnosis and management of conditions.

Email: info@dunwoodylabs.com www.dunwoodylabs.com

#### PATIENT INFO

NAME: SAMPLE REPORT

REQUISITION ID: R#

SAMPLE ID: Sample #

DOB: -

SAMPLE DATE: - RECEIVE DATE: -

**REPORT DATE: 9/7/2017** 

#### CLINIC INFO

#### DUNWOODY LABS

ADDRESS: 9 DUNWOODY PARK

**SUITE 121** 

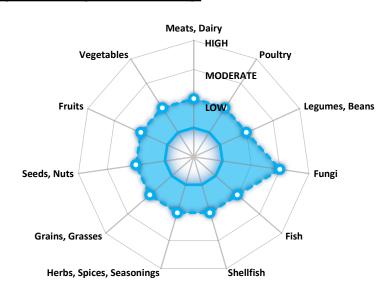
DUNWOODY, GA 30338

PHONE: -FAX: -

# 588G - Dietary Antigen Testing | 1/4

## **Dietary Antigen Exposure by Food Group**





### **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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### 588G - Dietary Antigen Testing | 2/4

# **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	lg(	9	REF. RANGE
MEATS, DAIRY				
Beef		0.00	ng/ml	0.00 - 50 ng/ml
Casein		306.87	ng/ml	0.00 - 1095 ng/ml
Cow's Milk		685.53	ng/ml	0.00 - 1388 ng/ml
Goat's Milk		398.37	ng/ml	0.00 - 1300 ng/ml
Pork		0.00	ng/ml	0.00 - 150 ng/ml
POULTRY				
Chicken		0.00	ng/ml	0.00 - 80 ng/ml
Egg Albumin		0.00	ng/ml	0.00 - 1160 ng/ml
Egg Yolk		221.00	ng/ml	0.00 - 820 ng/ml
Turkey		0.00	ng/ml	0.00 - 105 ng/ml
LEGUMES, BEANS	S			
Green Pea		0.00	ng/ml	0.00 - 240 ng/ml
Kidney/Pinto		15.48	ng/ml	0.00 - 480 ng/ml
Navy Bean		0.00	ng/ml	0.00 - 630 ng/ml
Peanut		0.00	ng/ml	0.00 - 950 ng/ml
Soybean		4.22	ng/ml	0.00 - 520 ng/ml
FUNGI				
Aspergillus Mix	HIGH	1535.75	ng/ml	0.00 - 2207 ng/ml
Brewer's Yeast	MODERATE	525.06	ng/ml	0.00 - 811 ng/ml
Candida	MODERATE	678.49	ng/ml	0.00 - 1949 ng/ml
Mushroom		0.00	ng/ml	0.00 - 230 ng/ml
FISH				
Codfish		49.27	ng/ml	0.00 - 275 ng/ml
Flounder		5.63	ng/ml	0.00 - 300 ng/ml
Halibut		0.00	ng/ml	0.00 - 100 ng/ml
Salmon		0.00	ng/ml	0.00 - 140 ng/ml
Tuna		0.00	ng/ml	0.00 - 190 ng/ml
SHELLFISH				
Clam	MODERATE	163.29	ng/ml	0.00 - 300 ng/ml
Crab		133.73	ng/ml	0.00 - 710 ng/ml
Lobster		0.00	ng/ml	0.00 - 240 ng/ml
Scallops		0.00	ng/ml	0.00 - 75 ng/ml
Shrimp		15.48	ng/ml	0.00 - 180 ng/ml

ANTIGEN	RESULT	COMPLE	MENT	CUTOFF
MEATS, DAIRY				
Beef		0.00	ng/ml	60 ng/ml
Casein		3078.45	ng/ml	7650 ng/ml
Cow's Milk		1148.23	ng/ml	12400 ng/ml
Goat's Milk		2781.49	ng/ml	12900 ng/ml
Pork		3167.53	ng/ml	5500 ng/ml
POULTRY				
Chicken		0.00	ng/ml	25 ng/ml
Egg Albumin		0.00	ng/ml	3400 ng/ml
Egg Yolk	YES	584.01	ng/ml	4300 ng/ml
Turkey		0.00	ng/ml	110 ng/ml
LEGUMES, BEANS				
Green Pea		0.00	ng/ml	670 ng/ml
Kidney/Pinto		0.00	ng/ml	1200 ng/ml
Navy Bean		0.00	ng/ml	2100 ng/ml
Peanut		0.00	ng/ml	350 ng/ml
Soybean		0.00	ng/ml	4500 ng/ml
FUNGI				
Aspergillus Mix		0.00	ng/ml	7300 ng/ml
Brewer's Yeast		0.00	ng/ml	1800 ng/ml
Candida		0.00	ng/ml	2700 ng/ml
Mushroom		0.00	ng/ml	1050 ng/ml
FISH				
Codfish		0.00	ng/ml	1100 ng/ml
Flounder		0.00	ng/ml	800 ng/ml
Halibut		0.00	ng/ml	1100 ng/ml
Salmon		0.00	ng/ml	550 ng/ml
Tuna		0.00	ng/ml	630 ng/ml
SHELLFISH				
Clam	YES	108.88	ng/ml	2300 ng/ml
Crab		0.00	ng/ml	1500 ng/ml
Lobster		0.00	ng/ml	1050 ng/ml
Scallops		0.00	ng/ml	300 ng/ml
Shrimp		0.00	ng/ml	1300 ng/ml

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# 588G - Dietary Antigen Testing | 3/4

# **Patient Results**

ANTIGEN	RESULT	lg(	6	REF. RANGE
HERBS, SPICES, S	<b>SEASONINGS</b>			
Basil		209.74	ng/ml	0.00 - 650 ng/ml
Black Pepper		291.39	ng/ml	0.00 - 1134 ng/ml
Cinnamon		289.98	ng/ml	0.00 - 770 ng/ml
Dill Seed		91.50	ng/ml	0.00 - 440 ng/ml
Garlic		40.82	ng/ml	0.00 - 340 ng/ml
Mustard		0.00	ng/ml	0.00 - 350 ng/ml
Oregano		132.32	ng/ml	0.00 - 600 ng/ml
Peppermint		133.73	ng/ml	0.00 - 380 ng/ml
Vanilla		222.41	ng/ml	0.00 - 830 ng/ml
GRAINS, GRASSE	S			
Barley	MODERATE	154.84	ng/ml	0.00 - 330 ng/ml
Corn		19.71	ng/ml	0.00 - 350 ng/ml
Gluten		66.16	ng/ml	0.00 - 1130 ng/ml
Oat		0.00	ng/ml	0.00 - 250 ng/ml
Rice		7.04	ng/ml	0.00 - 350 ng/ml
Rye		8.45	ng/ml	0.00 - 460 ng/ml
Whole Wheat		23.93	ng/ml	0.00 - 480 ng/ml
SEEDS, NUTS				
Almond		0.00	ng/ml	0.00 - 860 ng/ml
Cacao		104.17	ng/ml	0.00 - 348 ng/ml
Coffee		85.87	ng/ml	0.00 - 570 ng/ml
Cottonseed		26.75	ng/ml	0.00 - 200 ng/ml
English Walnut		0.00	ng/ml	0.00 - 625 ng/ml
Pecan		0.00	ng/ml	0.00 - 290 ng/ml
Sesame	MODERATE	183.00	ng/ml	0.00 - 620 ng/ml
Sunflower Seed		0.00	ng/ml	0.00 - 700 ng/ml
FRUITS				
Apple		14.08	ng/ml	0.00 - 255 ng/ml
Avocado		0.00	ng/ml	0.00 - 160 ng/ml
Banana		63.34	ng/ml	0.00 - 505 ng/ml
Blueberry		80.24	ng/ml	0.00 - 393 ng/ml
Cantaloupe		38.01	ng/ml	0.00 - 338 ng/ml
Cherry		0.00	ng/ml	0.00 - 240 ng/ml
Coconut		35.19	ng/ml	0.00 - 385 ng/ml
Cucumber		14.08	ng/ml	0.00 - 220 ng/ml
Grapefruit		22.52	ng/ml	0.00 - 220 ng/ml
Grapes		0.00	ng/ml	0.00 - 175 ng/ml
Green Olive		45.05	ng/ml	0.00 - 370 ng/ml
Green Pepper		9.85	ng/ml	0.00 - 225 ng/ml
Honeydew Melon		0.00	ng/ml	0.00 - 200 ng/ml
Lemon		23.93	ng/ml	0.00 - 190 ng/ml
Lime			ng/ml	0.00 - 490 ng/ml
Orange		59.12	ng/ml	0.00 - 300 ng/ml
Peach		30.97	ng/ml	0.00 - 270 ng/ml
Pear		0.00	ng/ml	0.00 - 225 ng/ml
Pineapple		18.30	ng/ml	0.00 - 1580 ng/ml
Plum		33.78	ng/ml	0.00 - 390 ng/ml
Squash Mix		11.26	ng/ml	0.00 - 310 ng/ml
Strawberry		0.00	ng/ml	0.00 - 170 ng/ml
Tomato		5.63	ng/ml	0.00 - 170 ng/ml
Watermelon		21.11	ng/ml	0.00 - 100 ng/ml
watermeion		<b>41.11</b>	116/1111	0.00 - 230 lig/IIII

ANTIGEN	RESULT COMP	LEMENT	CUTOFF
HERBS, SPICES, SE	ASONINGS		
Basil	49.4	9 ng/ml	6550 ng/ml
Black Pepper	0.0		5200 ng/ml
Cinnamon	0.0		1600 ng/ml
Dill Seed	376.1	<u>.</u>	2100 ng/ml
Garlic	0.0		1000 ng/ml
Mustard	0.0		1200 ng/ml
Oregano	0.0	U,	3500 ng/ml
Peppermint	YES 0.0		2000 ng/ml
Vanilla	YES 0.0		2000 ng/ml
GRAINS, GRASSES		116/1111	2000 118/1111
Barley	YES 0.0	0 ng/ml	1200 ng/ml
Corn	0.0		1250 ng/ml
Gluten	0.0		3275 ng/ml
Oat	0.0	U,	750 ng/ml
Rice	0.0		1050 ng/ml
Rye	0.0		850 ng/ml
Whole Wheat	0.0	U,	750 ng/ml
SEEDS, NUTS	0.0	o ng/m	730 Hg/HH
Almond	0.0	0 ng/ml	1600 ng/ml
Cacao	0.0		1600 ng/ml 850 ng/ml
Coffee	0.0	U,	1800 ng/ml
Cottonseed	0.0		840 ng/ml
English Walnut	732.4	U,	<u> </u>
Pecan	732.4	U,	3200 ng/ml 1000 ng/ml
Sesame	0.0		1850 ng/ml
Sunflower Seed			
FRUITS	0.0	0 ng/ml	690 ng/ml
Apple	0.0	0 22/201	CEO na/ml
Avocado	0.0		650 ng/ml 1600 ng/ml
Banana	0.0		2450 ng/ml
	0.0		
Blueberry	287.0		2000 ng/ml 1800 ng/ml
Cantaloupe		U,	
Cherry	0.0		1600 ng/ml
Coconut	0.0		1350 ng/ml
Cucumber	0.0		380 ng/ml
Grapefruit	0.0	,	700 ng/ml
Grapes Olive	0.0		530 ng/ml 1500 ng/ml
Green Olive	0.0	U,	
Green Pepper			940 ng/ml
Honeydew Melon	0.0	U,	1600 ng/ml
Lemon	0.0		660 ng/ml
Lime	0.0		1100 ng/ml
Orange	0.0	<u> </u>	750 ng/ml
Peach	0.0		600 ng/ml
Pear	0.0		1100 ng/ml
Pineapple	0.0	<u>.</u>	3100 ng/ml
Plum	0.0		2400 ng/ml
Squash Mix	0.0		920 ng/ml
Strawberry	0.0	U,	360 ng/ml
Tomato	0.0		900 ng/ml
Watermelon	0.0	0 ng/ml	600 ng/ml

11 Analysis performed by Dunwoody Labs CLIA ID: 11D1101209

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# 588G - Dietary Antigen Testing | 4/4

# **Patient Results**

ANTIGEN	RESULT	IgG		REF. RANGE
VEGETABLES				
Asparagus		92.91	ng/ml	0.00 - 360 ng/ml
Broccoli	MODERATE	426.52	ng/ml	0.00 - 700 ng/ml
Cabbage		8.45	ng/ml	0.00 - 200 ng/ml
Carrot		60.53	ng/ml	0.00 - 346 ng/ml
Celery		32.38	ng/ml	0.00 - 219 ng/ml
Horseradish		0.00	ng/ml	0.00 - 450 ng/ml
Lettuce		35.19	ng/ml	0.00 - 450 ng/ml
Onion		15.48	ng/ml	0.00 - 200 ng/ml
Spinach		68.98	ng/ml	0.00 - 250 ng/ml
Sweet Potato		54.90	ng/ml	0.00 - 230 ng/ml
Tea	_	175.96	ng/ml	0.00 - 730 ng/ml
White Potato		40.82	ng/ml	0.00 - 250 ng/ml

ANTIGEN	RESULT	COMPLE	MENT	CUTOFF
VEGETABLES				
Asparagus		0.00	ng/ml	1700 ng/ml
Broccoli		0.00	ng/ml	2000 ng/ml
Cabbage	YES	0.00	ng/ml	500 ng/ml
Carrot		0.00	ng/ml	1500 ng/ml
Celery		0.00	ng/ml	570 ng/ml
Horseradish		0.00	ng/ml	930 ng/ml
Lettuce		0.00	ng/ml	2500 ng/ml
Onion		0.00	ng/ml	550 ng/ml
Spinach	YES	1682.75	ng/ml	750 ng/ml
Sweet Potato		0.00	ng/ml	1150 ng/ml
Tea		0.00	ng/ml	1500 ng/ml
White Potato		0.00	ng/ml	2950 ng/ml

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Analysis performed by Dunwoody Labs

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CLIA ID: 11D1101209