RMA FST Enhanced

Healthcare Professional

Wellness Institute Priyanka Gupta Naturopathic Doctor (ND) 954 Royal York Rd Toronto, ON M8X 2E5

P: 416-234-1888 F: 416-234-0006



Plum

17

<15

Pineapple

Pomegranate

<15



Accession: 772098

Age: 45 Date of Birth: 1977/01/10 Gender: Female



Patient

e15 Raisin 15 Raspberry e15 Red Currant e15 Rtubarb e15 Strawberry e15 Tangerine e15 Rtubarb e15 Strawberry e15 Tangerine e15 Watermeion e15 Arugula e15 Asparagus e15 Brets e15 Alugula e15 Asparagus e15 Brussels Sprout e15 Cabbage (Red) 17 Cabbage (SavoyWhit) e15 Catron e16 Cabbage (Red) 17 Cabbage (SavoyWhit) e15 Catron e16 Cherry e15 Celery e15 Chard e15 Cherry e15 Celery e15 Chard e15 Cherry e15 Celery e15 Interve e15 Sinach e16 Celery e15 Radish e15 Sinach e15 Sinach e16 e15 Interve e15 Sinach e15 Sinach e16 Sinach e15 Redinant<	Fruit					
e15 Rhubarb e15 Strawberry e15 Tangerine Vegetables Vegetables strawberry e15 Additable e15 Additable e15 Aditable e15 Aditable e15 Aditable e15 Aditable e15 Beat e15 Calumer e15 Calumer e15 Calumer e15 Carad e15 Calumer e15 Calumer e15 Calumer e15 Carad e15 Calumer e15 Calumer e15 Sinach e15 Lettuce e15 Shalot e15 Spinach Sinach e15 Madish e15 Squash, Summer e15 Spinach e15 Made Espaguette e15 Alga Vakame e15 Carp e15 Made Espaguette e15 Alga Vakame e15 Carp e15 Made Espaguette e15 Alga Vakame e15 Carp e15 Carad e15 Carad e15 Carp e15	<15	Raisin	15	Raspberry	<15	Red Currant
etts Watermelon Vegetables etts Artichoke <15 Arugula <15 Asparagus etts Brassels Sprout <15 Bell Peppers <15 Broccoli etts Brassels Sprout <15 Cabbage (Red) 17 Cabbage (Savoy/Whith etts Brassels Sprout <15 Califlower <15 Cleery etts Carot <15 Chicory <15 Cucumber etts Egglant <15 Chicory <15 Cucumber etts Egglant <15 Chicory <15 Cucumber etts Radish <15 Shalot <15 Sinach 30 Squash (Butternut/Carnival) <15 Squash, Summer <15 Matercress etts Vica Tornato <15 Carp etts Vica Els Alga Wakame <15 Anchovy etts Alga Wakame <15	<15	Rhubarb	<15	Strawberry	<15	Tangerine
Vegetables c15 Artichoke <15 Arugula <15 Asparagus c15 Bet <15 Bell Peppers <15 Brossels Sprout <15 Brossels Sprout <15 Cabbage (SavoyWhit c15 Garot <15 Cabbage (SavoyWhit <15 Celery <15 Celery c15 Carot <15 Chicory <15 Celery <15 Celery c15 Chard <15 Fennel (Leaf) <15 Cucumber <15 Cucumber c15 Edgplant <15 Fennel (Leaf) <15 Spinach <15 Spinach 30 Squash (Butternut/Carnival) <15 Squash, Summer <15 Macheres <15 Watercress c15 Vica Turip <15 Anchovy <15 Carp <15 Carp <td< th=""><th><15</th><th>Watermelon</th><th></th><th></th><th></th><th></th></td<>	<15	Watermelon				
artichoke artis Arugula artis Asparagus 415 Beet artis Bell Peppers artis arcocoli 415 Brussels Sprout artis Cabbage (Rady) 17 Cabbage (SavoyWhit 415 Brussels Sprout artis Cauliflower artis Calumber 415 Letuce artis Chicory artis Celery 415 Letuce artis Chicory artis Spinach 415 Letuce artis Spinach artis Spinach 415 Nature/anival) artis Squash (Butternut/Carnival) artis Squash Summer artis Spinach 415 Matter artis Squash (Butternut/Carnival) artis Squash Summer artis Spinach 415 Matter artis Squash (Butternut/Carnival) artis Squash Summer artis Spinach 415 Matter artis Squash Summer artis Artis Artis Artis 415 Matter artis artis Artis	Vege	tables				
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ends Brussels Sprout ends Cabbage (Red) 17 Cabbage (SavoyWhith ends ends Carrot ends Califlower ends Cato ends Eggplant ends Chicory ends Cato ends Eggplant ends Chicory ends Space ends Eggplant ends Space Space Space ends Squash (Butternut/Carnival) ends Squash, Summer ends Space ends Squash (Butternut/Carnival) ends Squash, Summer ends Space ends Vica ends Space Alga Espaguette ends Anchovy ends Cod ends ends ends ends ends ends Cod ends ends ends ends ends	<15	Beet	<15	Bell Peppers	<15	Broccoli
c15Carrot<15Cauliflower<15Celery<15	<15	Brussels Sprout	<15	Cabbage (Red)	17	Cabbage (Savoy/White)
chard<15Chicory<15Cucumberc15Eggplant<15	<15	Carrot	<15	Cauliflower	<15	Celery
e13 Eggplant <15	<15	Chard	<15	Chicory	<15	Cucumber
e15 Lettuce <15 Onion 69 Potato 19 Radish <15	<15	Eggplant	<15	Fennel (Leaf)	<15	Leek
19 Radish <15	<15	Lettuce	<15	Onion	69	Potato
3Qu squash (Buttermut/Carnival) <15 Squash, Summer <15 Sweet Potato <15	19	Radish	<15	Shallot	<15	Spinach
*15 Tomato <15	30	Squash (Butternut/Carnival)	<15	Squash, Summer	<15	Sweet Potato
<15	<15	Tomato	<15	Turnip	<15	Watercress
Fish / Seafood 15 Alga Espaguette <15	<15	Yuca				
Alga Espaguette <15	Fish	/ Seafood				
e15 Barnacle <15	15	Alga Espaguette	<15	Alga Wakame	<15	Anchovy
<15	<15	Barnacle	<15	Bass	<15	Carp
<15	<15	Caviar	22	Clam	<15	Cockle
<15	<15	Cod	<15	Crab	<15	Cuttlefish
<15	<15	Eel	<15	Haddock	<15	Hake
<15	<15	Herring	<15	Lobster	<15	Mackerel
16Oyster<15Perch<15Pike<15	<15	Monkfish	17	Mussel	<15	Octopus
<15Plaice<15Razor Clam<15Salmon<15	16	Oyster	<15	Perch	<15	Pike
<15Sardine<15Scallop<15Sea Bream (Gilthead)18Sea Bream (Red)<15	<15	Plaice	<15	Razor Clam	<15	Salmon
18Sea Bream (Red)<15Shrimp/Prawn25Snail (Sea Snail/Winkl<15	<15	Sardine	<15	Scallop	<15	Sea Bream (Gilthead)
<15Sole<15Spirulina19Squid<15	18	Sea Bream (Red)	<15	Shrimp/Prawn	25	Snail (Sea Snail/Winkle
<15Swordfish<15Trout<15Tuna<15TurbotMeat<15Beef<15Chicken<15Duck<15Goat<15Horse<15Lamb<15Ostrich<15Ox<15Partridge<15Ostrich<15Quail<15Rabbit<15Pork<15Quail<15Rabbit<15Turkey<15Veal<15Venison<15Wild Boar </td <td><15</td> <td>Sole</td> <td><15</td> <td>Spirulina</td> <td>19</td> <td>Squid</td>	<15	Sole	<15	Spirulina	19	Squid
<15TurbotMeat<15Chicken<15Duck<15	<15	Swordfish	<15	Trout	<15	Tuna
Meat<15	<15	Turbot				
<15Beef<15Chicken<15Duck<15	Meat					
<15Goat<15Horse<15Lamb<15	<15	Beef	<15	Chicken	<15	Duck
<15Ostrich<15Ox<15Partridge<15	<15	Goat	<15	Horse	<15	Lamb
<15Pork<15Quail<15Rabbit<15	<15	Ostrich	<15	Ox	<15	Partridge
<15Turkey<15Veal<15Venison<15	<15	Pork	<15	Quail	<15	Rabbit
<15	<15	Turkey	<15	Veal	<15	Venison
Herbs / Spices<15	<15	Wild Boar				
<15Aniseed<15Basil<15Bayleaf<15	Herb	s / Spices				
<15Camomile<15Cayenne<15Cinnamon<15	<15	Aniseed	<15	Basil	<15	Bayleaf
<15Clove<15Coriander (Leaf)<15Cumin<15	<15	Camomile	<15	Cayenne	<15	Cinnamon
<15	<15	Clove	<15	Coriander (Leaf)	<15	Cumin
<15	<15	Curry (Mixed Spices)	<15	Dill	<15	Garlic
AF Licorico	<15	Ginger	22	Ginkgo	<15	Ginseng
<15 Liconce <15 Marjoram	<15	Hops	<15	Licorice	<15	Marjoram

Herbs / Spices

NI (-					
<15	Thyme	<15	Vanilla		
<15	Saffron	<15	Sage	<15	Tarragon
<15	Peppermint	<15	Red Chili Pepper	<15	Rosemary
<15	Nutmeg	<15	Parsley	<15	Peppercorn (Black/White)
<15	Mint	22	Mustard Seed	<15	Nettle

Nuts / Seeds / Legumes

58	Almond	20	Bean (Broad)	<15	Bean (Green)
<15	Bean (Red Kidney)	29	Bean (White Haricot)	27	Brazil Nut
<15	Canola	28	Cashew Nut	<15	Chestnut
<15	Chickpea	<15	Coconut	45	Flax Seed
30	Hazelnut	<15	Lentil	<15	Macadamia Nut
80	Pea	76	Peanut	<15	Pine Nut
33	Pistachio	<15	Sesame Seed	63	Soy Bean
17	Sunflower Seed	<15	Tiger Nut	<15	Walnut
Misc	ellaneous				
35	Agar Agar	21	Aloe Vera	<15	Cane Sugar

00	0° 0°	21		10	
<15	Caper	<15	Carob	<15	Cocoa Bean
<15	Coffee	34	Cola Nut	<15	Honey
15	Mushroom	<15	Tea (Black)	<15	Tea (Green)
<15	Transglutaminase	19	Yeast (Baker's)	48	Yeast (Brewer's)

Note: Quantification of Food Specific IgG has been utilized in research settings to assess and investigate Type III hypersensitivity. Measurement of food specific IgG is not a diagnostic indicator of IgE (classical or type I) allergy and should not be used for this purpose. Measurement of Candida albicans IgG levels is not a diagnostic indicator of Candidiasis. Research studies have shown levels of Candida albicans IgG in the circulation to have some Correlation with the degree of its colonization in the gut. Use of repeat serum IgG measurements to monitor declining Candida albicans burden is not recommended. The Burnaby Reference Laboratory is ISO 15189 accredited by The Institute of Quality Management in Healthcare for this class of test. The tests are fully accredited by the Diagnostic Accreditation Program.

IgG FOOD REACTIONS VS IgE FOOD ALLERGIES: IgG food reactions differ significantly from classic IgE food allergies. IgE food allergies are immediate reactions that occur within minutes or hours of consuming a food and may include serious reactions like hives, difficulty breathing and anaphylaxis. In contrast, an IgG food sensitivity is a delayed reaction that occurs hours to days after the food is consumed, with symptoms that may not appear for days or months. Lack of an IgG antibody response to a specific food does not rule out the possibility that the food may elicit an IgE reaction (food allergy). Patients should continue to avoid foods to which they have a known IgE food allergy. Conversely, elevated IgG to a specific food is not diagnostic of IgE food allergy. If symptoms (e.g. hives, difficult breathing) are suggestive of food allergy, the patient should be referred to an Allergist Specialist for specific IgE testing via ImmunoCAP.

IgG REACTIONS: IgG reactions are food sensitivities, not food allergies. When a reactive food is consumed, the IgG antibody forms a complex with the food antigen. Normally, the body is able to eliminate these antibody-antigen complexes, but with excess antigen, small complexes tend to deposit in blood vessel walls where they can cause tissue injury via the release of inflammatory mediators [Brantzaeg 1997]. Over time, this tissue injury may contribute to the development of a variety of health conditions. Research has shown that elimination of IgG reactive foods from the diet improves a variety of health conditions including irritable bowel syndrome and migraine headaches [Atkinson, Alpay]. Eliminating IgG reactive foods has also been reported to help with eczema, mood disturbances, weight gain and other digestive disturbances [Mullin, Lewis, Bentz].

NORMAL REACTIONS: A normal reaction to a food antigen may indicate lack of recent exposure to that food. Therefore, under circumstances of complete avoidance, it is impossible to determine whether the food(s) avoided would elicit a reaction if consumed recently. It is important to note that a normal reaction to a specific food does not mean it can be safely consumed by someone who has previously had a serious reaction to that specific food. Serious reactions to foods (e.g. anaphylaxis or hives) are caused by IgE antibodies, not IgG. Therefore, a normal IgG reaction to a known food allergen is not an indication the tested food is safe to consume.

PATIENT HAS A REACTION TO ONE OR MORE FOOD ANTIGENS NOT CONSUMED REGULARLY: It is possible to have elevated IgG to foods not recently consumed, or to foods that have been specifically avoided (i.e. due to serious previous IgE reaction). Elevated IgG in this circumstance may be due to panallergen reactions [refer to the RMA FST Food Sensitivities and Cross-Reactions document], or to an abundance of the IgG4 subtype antibody, which acts on mast cells and may have a protective effect for IgE reactions and antibodies may remain in circulation for 18 months even with no exposure [Mullin].

GOAT'S MILK AND/OR SHEEP'S MILK ARE BORDERLINE OR ELEVATED but patient may have never consumed: In vitro studies have shown extensive cross reactivity between milks from ruminant species. Significant amino acid sequence homology between milk from cows, goats and sheep mean cross-reactivity is highly probable [URL: www.uptodate.com/contents/milk-allergy-management. Accessed June 11, 2016]. Clinical research has found that a significant percentage of cow's milk allergic patients also react to goat and sheep milks [Pediatr Allergy Immunol. 2012 Mar;23(2):128-32].

WHEAT IS BORDERLINE OR ELEVATED AND WHEAT BRAN IS NORMAL: Wheat is a 42 chromosome member of the Triticum genus that is comprised of the whole cereal grain; endosperm, aleruone and pericarp. Wheat bran is the hard exterior coating of the wheat grain (aleurone and pericarp) that contains a high percentage of fibre and fatty acids. The difference in reactivity between wheat and wheat bran may be explained by the presence of allergenic proteins in the endosperm of whole wheat [Clin Exp Allergy. 1990;20(5):501-509], versus fibre and fatty acids found in the exterior shell of the wheat bran.

CORN IS BORDERLINE OR ELEVATED AND POLENTA IS NORMAL: Polenta is a cooked dish made from cornmeal. Since the application of heat denatures proteins, it is possible for the cooked form (polenta) to elicit a different immunological response than the uncooked or raw form (corn) of the same food. It is important to note however, that packaged and uncooked polenta grain (i.e. cornmeal) is different from cooked polenta, and should be avoided in its uncooked state. Food sources of corn include: artificial colours and flavours, baking powder, bleached white flour, cake mixes, caramel colour/flavouring, confectioners sugar, corn alcohol, corn chips, corn extract, corn flour, corn oil, corn pone, corn starch, corn syrup, gravy, grits, hominy,maize, modified corn starch, modified food starch, popcorn, tortillas. Corn may also be present in various sugars including: dextrose, fructose, glucose, maltose, sorbitol, saccharin, sucrose, sucralose, and xylitol. Note: corn may be present in small amounts in many products, but not appear on a list of ingredients.

AGAR AGAR IS BORDERLINE OR ELEVATED: Agar agar is used as a thickener, gelling agent, texturizer, moisturizer, emulsifier, flavor enhancer, and absorbent and is an allowed additive in certified organic foods. Hidden and/or minor sources of agar agar may elicit an IgG response, but the limited exposure to antigen means that it is unlikely to result in a clinical effect. Therefore, unless the clinician determines otherwise, reactions to agar agar rarely warrant strict avoidance of trace amounts.

COLA NUT IS BORDERLINE OR ELEVATED: Cola Nut may be found in non-alcoholic and alcoholic beverages, baked goods, puddings, candies and frozen dairy. It is typically referred to generically as a "natural flavouring." These hidden and/or minor sources of cola nut may elicit an IgG response, but the limited exposure to antigen means that it is unlikely to result in a clinical effect. Therefore, unless the clinician determines otherwise, reactions to cola nut rarely warrant strict avoidance of trace amounts.

BREWER'S YEAST IS BORDERLINE OR ELEVATED: Note that Brewer's Yeast and Baker's Yeast are different strains of one organism, Saccharomyces cerevisiae. The Brewer's Yeast strain is slower acting and has less after-taste than Baker's Yeast. Food sources of Brewer's Yeast include: beer, cider, dried fruits, marmite, miso, tamari, vegemite, yeast extract, wine. Brewer's Yeast may also be added to cookies, oatmeal and yogurt to improve nutrition. Brewer's Yeast is high in chromium and B vitamins and may be used in supplements.

BREWER'S YEAST IS BORDERLINE or ELEVATED AND BAKER'S YEAST IS NORMAL: Note that Brewer's yeast and Baker's yeast are different strains of the same Saccharomyces cerevisiae organism. The Brewer's yeast strain is selected for its ability to tolerate a more anaerobic (oxygen deprived) and high alcohol environment while the Baker's yeast form multiplies quickly and under high heat conditions. Despite the differences between the strains, and the fact that the patient reacted only to BREWER'S YEAST, the clinician may determine that avoidance of both strains is warranted depending on the clinical situation.

SEVERAL BIRCH POLLEN PROFILIN CONTAINING FOODS ARE ELEVATED: Profilins are small proteins in the plant cell cytoplasm that play a significant role in sensitizing individuals to pollens. Profilins are responsible for Oral Allergy Syndrome, a condition that results in burning or tingling in the mouth when cross-reactive foods are consumed. Different pollens are associated with specific foods. Foods that contain BIRCH POLLEN PROFILIN include: almond, apple, carrot, celery, cherry, hazelnut, kiwi, peach, peanut, pear, plum, potato, and soy. A reaction to several of these foods may indicate general reactivity to BIRCH POLLEN PROFILIN rather than reactivity to specific food antigens or families. Refer to the RMA Food Sensitivities and Cross-Reactions document for more information on cross-reactions.

SEVERAL LIPID TRANSFER PROTEIN CONTAINING FOODS ARE ELEVATED: Lipid transfer proteins (LTPs) are heat and acid stable, and therefore retain potential allergenicity after cooking or upon ingestion. Foods that have documented cross-reactivity via LTPs include: apple, celery, corn/maize, grape, hazelnut, kiwi, legumes, lettuce, peach, peanut, rice, soy, sunflower, and walnut. Refer to the RMA FST Food Sensitivities and Cross-Reactions document for more information on cross-reactions.

REACTIVITY TO CRUSTACEA AND/OR MOLLUSCA: Reaction to Crustacea and/or Mollusca (even in the absence of exposure to, or with strict avoidance of), may indicate cross-sensitivity to TROPOMYOSIN, an allergenic protein found in insects and arachnids. Dust mites and cockroaches are common tropomyosin-containing allergens. If the clinician determines that exposure to tropomyosin could be contributing to clinical symptoms, measures to reduce exposure to insect and arachnid antigens may be recommended. Refer to the RMA FST Food Sensitivities and Cross-Reactions document for more information on cross-reactions.

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ELEVATED REACTIONS TO FOODS: Interpretation comments are provided for certain foods. Comments appear when related foods give seemingly inconsistent results (e.g. casein normal and cow's milk high) and for reactive foods that are not commonly found in the North American diet. Refer to the FST Patient Guide Book for commentary on sources of individual foods or food categories.



Provider:

Wellness Institute Priyanka Gupta Naturopathic Doctor (ND)

Client: Elizabeth Doan DOB: 10-Jan-1977

ORDER BY REACTIVITY Report

126	Milk (Cow)	106		05	Parlov			
01	Milk (Cow)	100		00 76	Daney			
01	Milk (Sheep)	00 65		10	Pedriul Sey Room			
69	Polalo	00	Milk (Goal)	00				
20	Almond	45	Flax Seed	33	Mait			
30	Couscous	30	Squash (Bullemu/Camival)					
		В						
95	Casein	48	Yeast (Brewer's)	43	Wheat			
35	Agar Agar	34		33	Corn			
33	Pistachio	28	Cashew Nut	27	Brazil Nut			
27	Durum Wheat	25	Snail (Sea Snail/Winkle)					
			NORMAL FOODS					
30	Gliadin	30	Hazelnut	29	Bean (White Haricot)			
22	Clam	22	Egg Yolk	22	Ginkgo			
22	Mustard Seed	22	Orange	21	Aloe Vera			
20	Bean (Broad)	19	Radish	19	Squid			
19	Yeast (Baker's)	18	Oat	18	Sea Bream (Red)			
17	Cabbage (Savoy/White)	17	Cranberry	17	Mussel			
17	Plum	17	Sunflower Seed	16	Oyster			
15	Alga Espaguette	15	Mushroom	15	Raspberry			
<15	Alga Wakame	<15	Alpha-Lactalbumin (whey)	<15	Amaranth			
<15	Anchovy	<15	Aniseed	<15	Apple			
<15	Apricot	<15	Artichoke	<15	Arugula			
<15	Asparagus	<15	Avocado	<15	Banana			
<15	Barnacle	<15	Basil	<15	Bass			
<15	Bayleaf	<15	Bean (Green)	<15	Bean (Red Kidney)			
<15	Beef	<15	Beet	<15	Bell Peppers			
<15	Beta-Lactoglobulin (whey)	<15	Black Currant	<15	Blackberry			
<15	Blueberry	<15	Broccoli	<15	Brussels Sprout			
<15	Buckwheat	<15	Cabbage (Red)	<15	Camomile			
<15	Cane Sugar	<15	Canola	<15	Caper			
<15	Carob	<15	Carp	<15	Carrot			
<15	Cauliflower	<15	Caviar	<15	Cayenne			
<15	Celery	<15	Chard	<15	Cherry			
<15	Chestnut	<15	Chicken	<15	Chickpea			
<15	Chicory	<15	Cinnamon	<15	Clove			
<15	Cockle	<15	Cocoa Bean	<15	Coconut			

<15	Cod	<15	Coffee
<15	Crab	<15	Cucumber
<15	Curry (Mixed Spices)	<15	Cuttlefish
<15	Dill	<15	Duck
<15	Eggplant	<15	Fennel (Leaf)
<15	Garlic	<15	Ginger
<15	Goat	<15	Grape (Black
<15	Guava	<15	Haddock
<15	Herring	<15	Honey
<15	Horse	<15	Kiwi
<15	Leek	<15	Lemon
<15	Lettuce	<15	Licorice
<15	Lobster	<15	Lychee
<15	Mackerel	<15	Mango
<15	Melon (Galia/Honeydew)	<15	Milk (Buffalo)
<15	Mint	<15	Monkfish
<15	Nectarine	<15	Nettle
<15	Octopus	<15	Olive
<15	Ostrich	<15	Ox
<15	Parsley	<15	Partridge
<15	Pear	<15	Peppercorn (
<15	Perch	<15	Pike
<15	Pineapple	<15	Plaice
<15	Pomegranate	<15	Pork
<15	Quinoa	<15	Rabbit
<15	Razor Clam	<15	Red Chili Pep
<15	Rhubarb	<15	Rice
<15	Rye	<15	Saffron
<15	Salmon	<15	Sardine
<15	Sea Bream (Gilthead)	<15	Sesame See
<15	Shrimp/Prawn	<15	Sole
<15	Spinach	<15	Spirulina
<15	Strawberry	<15	Sweet Potato
<15	Tangerine	<15	Tapioca
<15	Tea (Black)	<15	Tea (Green)
<15	Tiger Nut	<15	Tomato
<15	Trout	<15	Tuna
<15	Turkey	<15	Turnip
<15	Veal	<15	Venison
<15	Watercress	<15	Watermelon
<15	Wild Boar	<15	Yuca

NORMAL FOODS	
Coffee	<15
Cucumber	<15
Cuttlefish	<15
Duck	<15
Fennel (Leaf)	<15
Ginger	<15
Grape (Black/Red/White)	<15
Haddock	<15
Honey	<15
Kiwi	<15
Lemon	<15
Licorice	<15
Lychee	<15
Mango	<15
Milk (Buffalo)	<15
Monkfish	<15
Nettle	<15
Olive	<15
Ox	<15
Partridge	<15
Peppercorn (Black/White)	<15
Pike	<15
Plaice	<15
Pork	<15
Rabbit	<15
Red Chili Pepper	<15
Rice	<15
Saffron	<15
Sardine	<15
Sesame Seed	<15
Sole	<15
Spirulina	<15
Sweet Potato	<15
Таріоса	<15
Tea (Green)	<15
Tomato	<15
Tuna	<15
Turnip	<15
Venison	<15
Watermelon	<15

Coriander (Leaf)

Cumin

Date

Eel

Fig

Ginseng

Hake

Hops

Lamb

Lentil

Lime

Millet

Mulberry

Nutmeg

Onion

Papaya

Peach

Peppermint

Red Currant

Rosemary

Pine Nut

Polenta

Quail Raisin

Sage

Scallop

Shallot

Swordfish

Tarragon

Thyme

Turbot

Vanilla Walnut

Wheat Bran

Squash, Summer

Transglutaminase

Spelt

Macadamia Nut Marjoram

Grapefruit

Understanding the Reference Ranges

What Do the Numbers Mean?

The Majority of the foods tested in the RMA FST[™] test fall within the following ranges:

Green : <15 to 23 U/mL Yellow : 24 to 29 U/mL Red : 30+ U/mL

However, there are 19 foods tested that have different reporting thresholds.

Why Are the Reporting Thresholds for Some Foods Different?

When we graph the ranked reactivities of most foods for a large population, we observe a fairly consistent curve (Figure 1). The inflection point of the curve, where reactivity increases markedly, tends to occur about the 75th percentile, which coincides with a result of 30. In other words, approximately 25 out of 100 people tested will have a result of 30 or higher.

Based on statistical analysis of a large body of patients tested at RMA, the reporting thresholds of some foods do not fit the pattern shown in Figure 1; instead, a result of 30 appears very "early" in the distribution. Therefore, the reporting thresholds for those foods are different in order to reserve a red result for those patients whose result for that food lies in the top quartile of the population (shown in Figure 2). These thresholds also allow the practitioner more leeway to interpret the findings in the context of his or her clinical experience. See the list of foods and their associated reference ranges below.



Figure 2 Population Research Curve for Different Foods

Foods with Different Reporting Thresholds

Updated Foods	Green Range	Yellow Range	Red Range	Updated Foods	Green Range	Yellow Range	Red Range
Agar Agar	<15 to 30	31 to 54	55+	Cola Nut	<15 to 30	31 to 58	59+
Almond	<15 to 30	31 to 49	50+	Corn (Maize)	<15 to 30	31 to 46	47+
Barley	<15 to 30	31 to 49	50+	Egg White	<15 to 30	31 to 99	100+
Bean,Red Kidney	<15 to 30	31 to 47	48+	Gliadin	<15 to 30	31 to 50	51+
Bean,White Harricot	<15 to 30	31 to 44	45+	Hazelnut	<15 to 30	31 to 37	38+
Casein	<15 to 30	31 to 97	98+	Milk (Cow)	<15 to 30	31 to 114	115+

Updated Foods	Green Range	Yellow Range	Red Range
Milk (Goat)	<15 to 30	31 to 64	65+
Milk (Sheep)	<15 to 30	31 to 66	67+
Реа	<15 to 30	31 to 66	67+
Peanut	<15 to 30	31 to 43	44+
Pistachio	<15 to 30	31 to 50	51+
Wheat	<15 to 30	31 to 66	67+
Yeast (Brewer's)	<15 to 30	31 to 58	59+

We'd like to know more about the patient experience with our tests and services. Please enter the link below into your browser to complete our short online survey. You could win a \$50 aift card!

www.rmalab.com/FSTsurvey