

GLUTEN-ASSOCIATED CROSS-REACTIVE FOODS & FOODS SENSITIVITY™



2 mL Serum

Antigens Tested (IgG + IgA Combined)

GLUTEN-CONTAINING / GLUTEN-CONTAMINATED

- Rye, Barley, Spelt, Polish Wheat
- Instant Coffee

GLIADIN CROSS-REACTIVE FOODS

- Cow's Milk
- Alpha-Casein + Beta-Casein
- Casomorphin
- Milk Butyrophilin
- Whey Protein
- Milk Chocolate
- Yeast
- Oats
- Millet
- Rice
- Corn

NEWLY-INTRODUCED AND/OR OVER-CONSUMED ON GFD

- Buckwheat
- Sorghum
- Hemp
- Sesame
- Amaranth
- Quinoa
- Tapioca
- Teff
- Potato

COMMON ANTIGENIC FOODS

- Egg White & Egg Yolk, Raw
- Soy

CLINICAL USE:

- Identify additional dietary proteins to which the Non-Celiac Gluten Sensitive (NCGS) or Celiac disease (CD) patient is sensitized.
- Detect immune reactivity to known gliadin cross-reactive foods.
- Categorize the 1-in-2 NCGS or CD patient who is also sensitive to dairy products.

RECOMMENDED FOR PATIENTS WHO:

- Have Non-Celiac Gluten Sensitivity or Celiac disease.
- Are experiencing limited improvements or are non-responsive on a gluten-free diet.
- Have gut dysbiosis, which appears to be resistant to standard therapy.

FUNCTIONAL VERSUS CROSS-REACTIVE ANTIBODY-ANTIGEN RESPONSES

FUNCTIONAL IMMUNE RESPONSE

Reactive

GLIADIN ANTIBODY



GLIADIN ANTIGEN

A gliadin antibody tags a gliadin antigen.

Non-Reactive

GLIADIN ANTIBODY



POTATO ANTIGEN

A gliadin antibody ignores a potato antigen, because it looks nothing like a gliadin antigen.

Non-Reactive

GLIADIN ANTIBODY



CASEIN ANTIGEN

A gliadin antibody ignores a casein antigen, even though it is structurally similar to a gliadin antigen.

DYSFUNCTIONAL IMMUNE RESPONSE

Cross-Reactive

GLIADIN ANTIBODY



CASEIN ANTIGEN

A gliadin antibody tags a casein antigen because it cannot differentiate casein from gliadin. This is immune cross-reactivity.

PRACTITIONER
DEMOCR, DEMOCR TEST

 2602 S. 24th Street
 Phoenix, Arizona 85034

PATIENT
Name: REPORT, SAMPLE

DOB: 11/01/1990

Gender: M

TEST	RESULT			
Array 4 – Gluten-Associated Cross-Reactive Foods and Foods Sensitivity **	IN RANGE (Normal)	EQUIVOCAL*	OUT OF RANGE	REFERENCE (ELISA Index)
GLUTEN-CONTAINING/GLUTEN-CONTAMINATED				
Rye, Barley, Spelt, Polish Wheat	0.48			0.4-1.4
Instant Coffee	0.39			0.3-1.9
GLIADIN CROSS-REACTIVE FOODS				
Cow's Milk	0.12			0.1-1.3
Alpha-Casein + Beta-Casein	0.39			0.1-1.7
Casomorphin	0.53			0.2-1.6
Milk Butyrophilin	0.37			0.2-1.8
Whey Protein	0.16			0.1-1.3
Milk Chocolate	0.13			0.1-1.4
Yeast	0.35			0.2-1.2
Oats	0.50			0.2-1.0
Millet	0.45			0.3-1.5
Rice	0.43			0.4-1.6
Corn	0.33			0.3-1.4
NEWLY-INTRODUCED AND/OR OVER-CONSUMED ON GLUTEN-FREE DIET				
Buckwheat	0.27			0.4-1.3
Sorghum	0.56			0.3-1.2
Hemp	0.39			0.3-1.5
Sesame	0.14			0.1-1.3
Amaranth	0.38			0.2-1.3
Quinoa	0.23			0.5-1.5
Tapioca	0.25			0.1-1.1
Teff	0.59			0.2-1.1
Potato	0.64			0.6-1.4
COMMON ANTIGENIC FOODS				
Egg, Raw + Cooked	0.57			0.2-1.7
Soy	0.28			0.5-1.5

** All analytes are tested for IgG and IgA combined.

 * Reference ranges are calculated based on the mean ± 2 standard deviations (SD). Results > 1 SD, and < 2 SDs above the mean are considered to be equivocal. An equivocal result represents the range between negative and suspicious low positive results. Results > 2 SDs are considered out of range. and positive.

Mark G. Kartub, M.D., Medical Director

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