

### ARRAY

4

# 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.



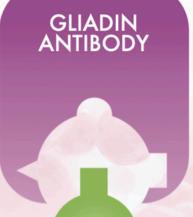
www.JoinCyrex.com

# GLIADIN ANTIBODY

### **GLIADIN ANTIGEN**

A gliadin antibody tags a gliadin antigen.

### **Non-Reactive**

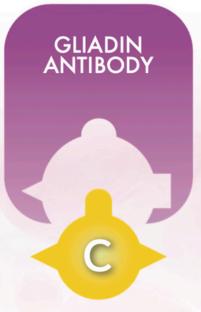


### **POTATO ANTIGEN**

B

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

### **Non-Reactive**



### **CASEIN ANTIGEN**

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

### **Cross-Reactive**



## **CASEIN ANTIGEN**

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



2602 S. 24th Street . Phoenix, AZ 85034 Tel 602 759 1245 . Fax 602 759 8331 . www.CyrexLabs.com ACCESSION #: 17-108497 REQUISITION #: T05170963 SAMPLE TYPE: Serum DATE COLLECTED: 5/11/2017
DATE RECEIVED: 5/11/2017
DATE OF REPORT: 5/12/2017

DOCTOR / PATIENT ID: PAGES: 1 of 1

20100

DEMODR, DEMODR TEST

2602 S. 24th Street Phoenix, Arizona 85034

**PRACTITIONER** 

**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

<sup>\*\*</sup> All analytes are tested for IgG and IgA combined.

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

Cyrex Laboratories is certified under the Clinical Laboratory Improvement Amendments of 1988 ("CLIA") as qualified to perform high-complexity clinical testing. Test result data on its own does not constitute a diagnosis. Only a physician or qualified healthcare professional should interpret the significance of a clinical lab test or make a diagnosis. This test was developed and its performance characteristics determined by Cyrex Laboratories, LLC. The names and titles of tests and arrays are for reference purposes only.

<sup>\*</sup> 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.