

# Allerquant 90G, Allerquant 45G Allerquant 21G, Allerquant 14G Allerquant 7G, Allerquant Custom

## FOOD INTOLERANCE

### Diagnosis and Management of Food Intolerances

#### **Food Intolerance: Detects IgG antibodies to food allergens in human serum**

##### **Comprehensive assay range:**

- Detection of IgG antibodies to 90 common food allergens
- Detection of IgG antibodies to 90 Mediterranean food allergens
- Detection of IgG antibodies to 90 Russian food allergens
- Detection of IgG antibodies to 90 Asian food allergens
- Detection of IgG antibodies to 45 common food allergens
- Detection of IgG antibodies to 45 French food allergens
- Detection of IgG antibodies to 21 common food allergens
- Detection of IgG antibodies to 14 common food allergens
- Detection of IgG antibodies to 7 common food allergens
- Custom configurations to your requirements of over 140 food allergens

##### **Unique**

Over 160 different food allergens available

##### **Simple**

Microwell Enzyme-based assay (ELISA)  
Rapid turnaround

##### **Quantitative**

4 point calibration curve

##### **Innovative**

Only 100 µl of patient serum needed to test for all 90 foods

##### **Convenient**

Ready to use reagents; Controls provided



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## INTENDED USE

The Allerquant™ Food Intolerance IgG Specific kits detect IgG antibodies to food allergens in human serum as an aid in the diagnosis and management of Food Intolerances.

Allerquant 90G:	Simultaneous detection of IgG antibodies to 90 common food allergens
Allerquant 45G:	Simultaneous detection of IgG antibodies to 45 common food allergens
Allerquant 21G:	Simultaneous detection of IgG antibodies to 21 common food allergens
Allerquant 14G:	Simultaneous detection of IgG antibodies to 14 common food allergens
Allerquant 7G:	Simultaneous detection of IgG antibodies to 7 common food allergens
Allerquant Custom:	Your choice of over 130 Food allergens custom configured to your requirements

## BACKGROUND

Food intolerances are the end result of a series of complex interactions between ingested food antigens, the digestive tract, tissue mast cells, circulating basophils and food allergen specific IgG. They can be very distressing for a patient, and difficult to diagnose because many of the symptoms mimic other illnesses.

New clinical studies have now linked food intolerance to Irritable Bowel Syndrome (IBS). Additional studies have suggested that delayed food allergies (IgG-mediated) often lead to chronic illnesses. Continuous consumption of an offending food results in a weakened immune system, which enables illnesses to develop and take hold. Often, patients report suffering from more than one illness at a time. Long-term adverse reactions and symptoms can include Gastrointestinal, Dermatological, Neurological, Muscular-Skeletal and Respiratory problems.

Among some of the more serious diseases that have been linked to food intolerances are Crohn's Disease, Ulcerative Colitis, Celiac Disease, Asthma, Rheumatoid Arthritis, Psoriasis, Rosacea, Eczema, and Multiple Sclerosis.

The measurement of elevated levels of IgG specific to certain foods provides a convenient method for identification of offending foods that is less expensive, quicker, and more comprehensive than the traditional methods. Unlike classical IgE-mediated allergies, food intolerance usually involves more than one food. On average, testing results indicate that patients react to four or five seemingly innocuous foods, as indicated by elevated IgG levels specific to those foods. Thus, IgG testing can identify allergy causing foods and enable specific dietary restrictions that should be employed to reduce or alleviate symptoms. Specific IgG testing can be used to monitor results after treatment.

## PERFORMANCE

### Assay Time:

1 hour 40 minutes

### Specificity:

Interference from intact human IgE, IgA, and IgM is negligible

## FOOD ALLERGEN LIST (Allerquant™ 90G)

Well#	Allergen	Well#	Allergen	Well#	Allergen	Well#	Allergen
A-1	Blank	A-4	Cheddar Cheese	A-7	Lettuce, iceberg	A-10	Sardine
B-1	Calibrator 1	B-4	Chicken	B-7	Lemon	B-10	Scallop
C-1	Calibrator 2	C-4	Chili pepper	C-7	Lima bean	C-10	Sesame
D-1	Calibrator 3	D-4	Chocolate	D-7	Lobster	D-10	Shrimp
E-1	Calibrator 4	E-4	Cinnamon	E-7	Malt	E-10	Sole
F-1	Positive Control	F-4	Clam	F-7	Millet	F-10	Soybean
G-1	Almond	G-4	Codfish	G-7	Mushroom	G-10	Spinach
H-1	American Cheese	H-4	Coffee	H-7	Mustard seed	H-10	Squashes
A-2	Apple	A-5	Cola nut	A-8	Oat	A-11	Strawberry
B-2	Avocado	B-5	Corn	B-8	Olive	B-11	String bean
C-2	Banana	C-5	Cottage cheese	C-8	Onion	C-11	Sunflower seed
D-2	Barley, whole grain	D-5	Cow's milk	D-8	Orange	D-11	Sweet potato
E-2	Beef	E-5	Crab	E-8	Oyster	E-11	Swiss cheese
F-2	Blueberry	F-5	Cucumber	F-8	Parsley	F-11	Tea, black
G-2	Broccoli	G-5	Egg, white/yolk	G-8	Peach	G-11	Tobacco smoke
H-2	Buckwheat	H-5	Eggplant	H-8	Peanut	H-11	Tomato
A-3	Butter	A-6	Garlic	A-9	Pinto bean	A-12	Trout
B-3	Cabbage	B-6	Goat's milk	B-9	Pineapple	B-12	Tuna
C-3	Cane sugar	C-6	Grape, white/concord	C-9	Pork	C-12	Turkey
D-3	Cantaloupe	D-6	Grapefruit	D-9	Potato	D-12	Walnut, black
E-3	Carrot	E-6	Green pea	E-9	Rice	E-12	Wheat
F-3	Cashew	F-6	Green pepper	F-9	Rye	F-12	Yeast, baker's
G-3	Cauliflower	G-6	Halibut	G-9	Safflower seed	G-12	Yeast, brewer's
H-3	Celery	H-6	Honey	H-9	Salmon	H-12	Yogurt

### Other Available Foods:

Abalone, Adlay, Artichoke, Asparagus, Bamboo shoot, Beets, Beta-lactoglobulin, Casein, Chard, Chick peas, Cocoa bean, Coconut, Cured cheese, Cuttlefish, Duck, Eel, Egg white (separate), Egg yolk (separate), Ginger, Gluten, Guava, Hake, Hazelnut, Kelp, Kidney bean, Kiwi fruit, Lamb, Leek, Lentils, Longans, Lychee nut, Mango, Marjoram, Mung bean, Papaya, Pear, Pepper (black), Plum, Rabbit, Shark's fin, Sheep's milk, Squid, Taro, Vanilla, Watermelon, Wheat bran

## ORDERING

Catalog No.	Description
7190	Allerquant™ 90G ELISA kit - Quantitative (90 foods per 96 well plate x 3 plates)
7191	Allerquant™ 90G Mediterranean ELISA kit - Quantitative (90 foods per plate x 3 plates)
7193	Allerquant™ 90G Russian ELISA kit - Quantitative (90 foods per plate x 3 plates)
7195	Allerquant™ 45G ELISA kit - Quantitative (2 x 45 foods per 96 well plate x 3 plates)
7185	Allerquant™ 45G French ELISA kit - Quantitative (2 x 45 foods per 96 well plate x 3 plates)
7198	Allerquant™ 21G ELISA kit - Quantitative (4 x 21 foods per 96 well plate x 3 plates)
7194	Allerquant™ 14G ELISA kit - Quantitative (6 x 14 foods per 96 well plate x 3 plates)
7189	Allerquant™ 7G ELISA kit - Quantitative (12 x 7 foods per 96 well plate x 3 plates)
7190C	Allerquant™ Custom ELISA kit - Quantitative (made to order, minimum orders apply)



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CE and EN ISO 13485:2003 Compliant, Multi-language inserts available

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