

Celiac Disease Genetic Markers



*These tests were performed using Polymerase Chain Reaction with Sequence Specific Primers (SSP-PCR) Technique.

Genetic Markers - HLA-DQ Typing*

HLA-DQ2.5	Negative
DQA1*05	Negative
DQB1*02	Negative

HLA-DQ8	Positive
DQA1*03	Positive
DQB1*0302	Positive

HLA-DQ Typing Commentary

The Risk for Celiac Disease is 1:89 (1)

Patient has one of the HLA-DQ variants associated with Celiac Disease. More than 90% of Celiac patients carry either HLA-DQ2.5 or HLA-DQ8 or both. However, since almost 30% of general U.S population carry these variants, the presence of these are not an indication of Celiac Disease but only reflect a genetic predisposition for the disease.

Crohn's Genetic Markers*

ATG16L1 (T300A)	Homozygous Negative	Genes inherited from both parents do not have this mutation (homozygous negative genotype).
NOD2 (L1007fsinsC)	Homozygous Negative	Genes inherited from both parents do not have this mutation (homozygous negative genotype).
NOD2 (R702W)	Homozygous Negative	Genes inherited from both parents do not have this mutation (homozygous negative genotype).
NOD2 (G908R)	Homozygous Negative	Genes inherited from both parents do not have this mutation (homozygous negative genotype).

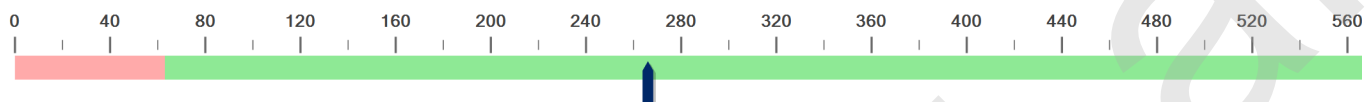
Crohn's Comments

Although there is an absence of the mutations, the etiologies of inflammatory bowel disease (IBD) and Crohn's disease are highly complex and they can occur without a mutation at the investigated sites.

* This test was developed and its performance characteristics determined by Cell Science Systems. It has not been cleared or approved by the U.S. Food and Drug Administration.

Serologic Markers
Total IgA

266

Reference Range (age/gender based) :
(63 - 495 mg/dL)

Personalized Commentary

	NEGATIVE < 20 units	WEAK POSITIVE 20- 30 units	MODERATE TO STRONG POSITIVE > 30 units	REMARKS
Tissue transglutaminase (tTg) IgA	4			
Tissue transglutaminase (tTg) IgG	3			
Deamidated gliadin peptide (DGP) IgA	7			
Deamidated gliadin peptide (DGP) IgG	6			
	NEGATIVE < 20 units	EQUIVOCAL 20 - 24.9 units	POSITIVE ≥ 25 units	REMARKS
Anti-Saccharomyces cerevisiae Antibodies (ASCA) IgA	6.9			
Anti-Saccharomyces cerevisiae Antibodies (ASCA) IgG	11			

Antibody Markers Commentary

A Gluten Restricted Diet prior to testing may affect the antibody Result.

Patient Historic Comparison

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