



Celiac Profile

Accession #: 333333

Healthcare Professional:

Patient:
 Samuel Smith

Date of Birth : 01-Nov-1980
Age: 32
Gender : M

Phone:
 Fax:

Celiac Profile

Analyte	Status	Result	0	15	750	Negative	Positive
Gliadin IgA	Negative	9.8				<=15	>15
Gliadin IgG	Positive	160				<=15	>15
Tissue transglutaminase IgA	Negative	5.0				<=15	>15

Anti-tissue transglutaminase IgA (tTg-IgA)

The tissue transglutaminase-IgA antibody is a very sensitive test for celiac disease. Approximately 95% of people who test positive for this antibody have celiac disease confirmed by an intestinal biopsy. However, a "no reaction" result for anti-tissue transglutaminase does not necessarily mean that wheat and gluten can be consumed on a regular basis. Reactions to gluten and the proteins in gluten may still occur and indicate a sensitivity to wheat products.

Anti-gliadin IgA and IgG

Gliadin is a protein found in wheat gluten. Although antibodies to gliadin are produced in celiac disease, they may also be an indication of gluten allergy or gluten sensitivity rather than overt celiac disease. Measurement of gliadin antibodies may be used to monitor compliance with gluten-free diets.

A small percentage (approximately 4%) of celiacs are deficient in IgA. If celiac disease is strongly suspected and tissue transglutaminase-IgA is negative, a follow-up test of total IgA may be indicated.

George Gillson, MD PhD
 Medical Director

Note: The College of Physicians and Surgeons of Alberta considers some laboratory tests to be non-standard, or a form of complementary and alternative medicine. These interpretation comments have not been evaluated or approved by any regulatory body. Commentary is provided to clinicians for educational purposes and should not be interpreted as diagnostic or treatment recommendations.