

Patient Name : Demo Patient Name
Age / Sex : 40 Y / F
Referred By : DEMO HOSPITAL
Centre : HOD Head Office

Lab No : Demo Visit No
Registration On : 12-Aug-25 08:05
Patient ID : UHID.DEMO.001

IgG tTg - Tissue Transglutaminase IgG

Serum Sample

Accession No: DEMO_BARCODE Collected On: 12-Aug-25 08:05 Received On: 12-Aug-25 12:16 Approved On: 12-Aug-25 14:15

Observation	Result	Unit	Biological Ref. Interval	Method
Tissue Transglutaminase IgG Antibody	< 3.8	CU	Negative: <20 Weak Positive: 20.1-30.0 Positive: >30	

Clinical Notes:

- Test to be performed before eliminating gluten from the diet.
- Presence of immune complexes or other immunoglobulin aggregates may cause an increased level of non-specific binding leading to false positive results.
- Negative tTG IgG result in an untreated patient does not rule out gluten-sensitive enteropathy as the patient may be IgA positive or have no antibody to tTG.
- All results should be used in conjunction with clinical findings and other serological tests.
- A useful test for exclusion of Celiac disease is HLA - DNA testing for the presence of DQ2 (DQB1*02, DQA1*05) and DQ8 (DQB1*03, DQA1*03). Celiac disease can be excluded in 90% cases if all these alleles are negative.

Clinical Significance: Celiac disease is characterized by small intestinal damages with flat mucosa leading to malabsorption with depletion of key nutrients. Tissue transglutaminase (tTG) is one of the main endomysial autoantigens that can be easily detected for the diagnosis of Celiac disease. Detection of tTG IgG antibodies, in conjunction with tTG IgA antibodies helps in the diagnosis of certain Gluten sensitive enteropathies such as Celiac disease & Dermatitis herpetiformis. It is not uncommon for Celiac patients to be IgA deficient. This IgA deficiency is probably the single largest contributor to a false negative serological result for tTG IgA in biopsy confirmed celiac patients. Test sensitivity increases from 91.5% for tTG IgA antibody alone to 98.5% when both IgA and IgG results are considered.

Advise: Please correlate results clinically.



This is a Demo Signature
and the doctor's signature should appear here

In case of any unexpected or alarming results, please contact us immediately for re-confirmation, clarifications, and rectifications, if needed.

