

## Celiac Antibody Profile

### Complete Report

**Physician:** In-House  
**Patient:** 29X  
**Accession #:** **Collected:** 04/10/08  
**Age:** 29 **Received:** 04/11/08  
**Sex:** Male **Completed:** 05/02/08

Analytes	Results	Indications	No Reaction	Equivocal	High
tTg - IgA	66	No Reaction	<123	123-300	>300
Anti-Gliadin IgA	133	No Reaction	<364	364-1610	>1610
Anti-Gliadin IgG	79	No Reaction	<349	349-900	>900

#### Commentary (Semi-Quantitative ELISA)

Anti-Tissue Transglutaminase IgA (tTg-IgA) is a highly sensitive (about 98%) and specific (>95%) marker for untreated celiac disease in IgA competent individuals.

Anti-Gliadin IgA and Anti-Gliadin IgG are useful markers for an equivocal tTg-IgA in conjunction with other clinical findings and biopsies. Gliadin peptides may be used to monitor compliance to a gluten-free diet.

#### Limitations:

Although the prevalence of IgA deficiency in celiac disease is relatively low (<4%), measurement of serum IgA levels is an appropriate follow-up in individuals with a negative tTg-IgA in whom celiac disease is still suspected.

Individuals on a gluten-free diet prior to testing may show low or falsely negative serological values.

Results of this assay should not be interpreted in the absence of a complete clinical history.

Values in the Equivocal range are considered indeterminate. A follow-up evaluation within 2 to 4 weeks on these patients is often indicated.

Confirmation of celiac disease requires small bowel biopsies demonstrating immune-mediated villous atrophy in addition to resolution of symptoms following the introduction and maintenance of a strict gluten-free diet.

This test was developed and its performance characteristics determined by US BioTek Laboratories, Inc under the Clinical Laboratory Improvement Amendments (CLIA).

This test has not been cleared or approved by the U.S. Food and Drug Administration (FDA). US BioTek's test results do not constitute medical advice, are provided for educational purposes only, and are not a substitute for professional medical advice.

Analytes are subject to changes without prior notice.

End of Report