



Memo to: Healthcare Personnel  
From: Alverno Clinical Laboratories, LLC  
Subject: **New test beginning September 16, 2008 – Celiac Disease Serology Testing**

We are pleased to announce a new service for our healthcare providers, Celiac Disease serology testing. To assist our physicians in choosing an algorithm, we will offer 3 panels as well as individual tests for identification and monitoring of Celiac Disease.

When individuals with celiac disease eat gluten, a response is triggered by the body's immune system that damages the lining of the small intestine. It is estimated that nearly 3 million Americans have the disease, but only about 100,000 are diagnosed. Celiac disease runs in families and occurs in both children and adults.

### **SPECIMEN COLLECTION**

**Specimen sources:** gold top serum separator tube or serum aliquot. 1mL for individual tests and 3 mL for panels.

**Unacceptable Conditions:** Hemolyzed or Lipemic.

**Specimen stability:** 8 hrs at RT, 48 hrs refrigerated, > 48 hrs freeze

### Individual tests:

Tissue Transglutaminase (tTG) IgA Antibodies = **TTA**

Tissue Transglutaminase (tTG) IgG Antibodies = **TTG**

Endomysial (EMA) IgA Antibodies = **EMIGA**

Gliadin/Gluten IgA Antibodies = **GGA2**

Gliadin/Gluten IgG Antibodies = **GGG2**

Total Serum IgA Antibodies = **IGA**

### Panels:

Comprehensive Celiac Disease Screening Panel = **CELCM**

\*Includes tTg IgA, EMA IgA, and Total Serum IgA.

\*If tTg IgA, EMA IgA, and Total Serum IgA are all negative, tTG IgG and Gliadin/Gluten IgG will be automatically reflexed.

\*Will include a Pathologist interpretation.

Celiac Disease Monitoring Panel (normal serum IgA) = **CELGA**

\*Includes tTG IgA, EMA IgA, Gliadin/Gluten IgA, and Gliadin/Gluten IgG.

\*For use in following gluten-free diet treatment progress in patients already diagnosed with Celiac Disease.

Celiac Disease Monitoring Panel (IgA deficient) = **CELGG**

\*Includes tTG IgG and Gliadin/Gluten IgG.

Jennifer E. Skeen, Ph.D., CLSp(CG)  
Director - Molecular Diagnostics/Flow Cytometry  
Alverno Clinical Laboratories, LLC  
(219) 989-3727  
Jennifer.Skeen@ssfhs.org

For educational information please refer to the following references.

<http://mayomedicallaboratories.com/articles/communique/2008/06.html> Mayo Medical Laboratory Communique on Celiac Disease. June 2008.

<http://www.celiac.org/cd-main.php> Celiac Disease Foundation website.