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.*

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For educational information please refer to the following references.

http://mayomedicallaboratories.com/articles/communique/2008/06.html  

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