*Excellence in Pathology and Laboratory Services*

# Test Update

**From Your Laboratory Service Provider, PathGroup Labs**

## Testing Provided on Site for Tissue Transglutaminase IgA

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### This change will take effect March 1, 2010

**Overview and Clinical Utility:**
Effective March 1, 2010, PathGroup Labs will begin performing Tissue Transglutaminase IgA (tTG) testing in house. Tissue transglutaminase (tTG) IgA test assay is used as an aid in the diagnosis of celiac disease (gluten-sensitive enteropathy) and should be used in conjunction with other serological tests and clinical findings. Antibodies against gliadin and anti-endomysium antibodies (EMA) are of major significance. The identification of tissue transglutaminase (tTG) as the major target antigen of EMA provided the opportunity for an easier and more reliable diagnosis of celiac disease. The disease is HLA-associated and manifests at any age with a peak onset in early childhood, even in neonatals.

**Test Methodology:** Tissue transglutaminase (tTG) IgA test is a solid phase enzyme immunoassay for the semi-quantitative detection of IgA antibodies against tissue transglutaminase (tTG) in human serum. Testing will be performed on the BioRad Evolis.

**Ordering**

| Test: | Test Name: | CPT: | LOINC: |
|---|---|---|---|
| **TGAA** | **Tissue Transglutaminase IgA** | **83516** | **31017-7** |

| New Test: | Previous Test: |
|---|---|
| Methodology: Enzyme immunoassay | Methodology: ELISA |
| Negative : ≤ 15 U/mL<br>Positive : > 15 U/mL | Negative : ≤ 19 Units<br>Positive : > 19 Units |
| Units: U/mL | Units: Units |

**Note: No reference ranges established for pediatric population**.

**Specimen Collection and Storage:**
1) Collect specimen in a serum separator tube.
   a) Allow serum tube to clot for 30 minutes.
   b) Spin serum separator tube 10-15 minutes @ 3500 rpm.
2) Serum specimens are stable refrigerated for 3 days.
3) Transport specimen refrigerated.

**Test Performed:**
Monday - Wednesday - Friday

**Turnaround time:**
2 - 4 Days

**For further questions, please contact Client Services at 615-562-9300 or 1-888-474-5227.**