Lab Dept: Serology

Test Name: GLIADIN, DEAMIDATED, ANTIBODIES (IgG & IgA)

General Information

Lab Order Codes: DGP

Synonyms: Deamidated Gliadin Antibodies, IgA and IgG, serum; Antigliadin Antibodies; Antigliadin Ab

CPT Codes: 83516 x2 – Immunoassay, analyte, qualitative; multiple step method

Test Includes: Deamidated Gliadin Antibodies: IgG, IgA levels reported in EliA U/mL.

Logistics

Test Indications: Evaluating patients suspected of having celiac disease, including patients with symptoms compatible with celiac disease, patients with atypical symptoms, and individuals at increased risk of celiac disease.

Monitoring compliance for a gluten-free diet.

Lab Testing Sections: Chemistry – Minneapolis Campus only

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 - 4 days, test performed Monday - Friday

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Red, marble or gold top tube

Draw Volume: 1.5 mL (Minimum: 0.9 mL) blood

Processed Volume: 0.5 mL (Minimum: 0.3 mL) serum

Collection: Routine venipuncture
**Special Processing:**
Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-top plastic vial. Store at refrigerated temperatures. Freeze at or below -20˚C if not tested within 48 hours.

Specimen stability: Room temp: 8 hours, Refrigerated: 48 hours

**Patient Preparation:**
None

**Sample Rejection:**
Mislabeled or unlabeled specimens; heparinized plasma

## Interpretive

<table>
<thead>
<tr>
<th>Reference Range</th>
<th>Deamidated Gliadin IgA (AGP) Antibodies (all ages)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;7 EliA U/mL</td>
<td>Negative</td>
</tr>
<tr>
<td>7 – 10 EliA U/mL</td>
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<th>Deamidated Gliadin IgG (GGP) Antibodies (all ages)</th>
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**Interpretation:**
AGP >10 EliA U/mL or AGP and GGP >10 EliA U/mL and patient <7 years: Possible Celiac disease, recommend HLA, EMA or biopsy

**Critical Values:**
N/A

**Limitations:**
N/A

**Methodology:**
Fluoroenzyme immunoassay

**References:**
- Phadia AB EliA Directions for Use (August 2010)
Updates:

4/14/2004: Test moved from Specialty Laboratories to Mayo Medical Laboratories.
11/2/2009: Testing moved from MML to testing internally at Children’s.
5/15/2013: Move from Gliadin IgA/IgG to Deamidated Gliadin IgA/IgG. See updated reference ranges.
2/9/2016: Update container types