### Lab Dept: Serology

**Test Name:** IBD SEROLOGY

#### General Information

<table>
<thead>
<tr>
<th>Lab Order Codes:</th>
<th>IBDS</th>
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<tbody>
<tr>
<td>Synonyms:</td>
<td>Crohn’s Disease; Neutrophil specific Ab; Inflammatory Bowel Disease Serology; Inflammatory Bowel Disease Panel; Ulcerative Colitis</td>
</tr>
</tbody>
</table>
| CPT Codes:       | 86671 x2 – Antibody, fungus, not elsewhere specified  
86255 – Fluorescent noninfectious agent Ab; screen, each Ab |
| Test Includes:   | ASCA IgA, NSA (Neutrophil specific antibodies), GASCAP IgG |

#### Logistics

**Test Indications:** Useful as an adjunct in the diagnosis of UC and CD in patients suspected of having IBD

**Lab Testing Sections:** Serology - Sendouts

**Referred to:** Mayo Medical Laboratories (MML Test: IBDP)

**Phone Numbers:**  
MIN Lab: 612-813-6280  
STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 3 - 5 days

**Special Instructions:** N/A

#### Specimen

**Specimen Type:** Blood

**Container:** SST (Gold, marble or red) tube

**Draw Volume:** Minimum: 3.0 (Minimum: 2.4) mL blood

**Processed Volume:** Minimum: 1.5 (Minimum: 0.8) mL serum

**Collection:** Routine venipuncture
**Special Processing:**
Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly.

**Patient Preparation:**
None

**Sample Rejection:**
Mislabeled or unlabeled specimens

**Interpretive**

<table>
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<tr>
<th>Assay</th>
<th>Reference Range</th>
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<tbody>
<tr>
<td>ASCA IgA</td>
<td>Negative: 0.0 – 20.0 U</td>
</tr>
<tr>
<td></td>
<td>Equivocal: 20.1 – 24.9 U</td>
</tr>
<tr>
<td></td>
<td>Weakly positive: 25.0 – 34.9 U</td>
</tr>
<tr>
<td></td>
<td>Positive: &gt; or =35.0 U</td>
</tr>
<tr>
<td>GASCA IgG</td>
<td>Negative: 0.0 – 20.0 U</td>
</tr>
<tr>
<td></td>
<td>Equivocal: 20.1 – 24.9 U</td>
</tr>
<tr>
<td></td>
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</tr>
<tr>
<td></td>
<td>Positive: &gt; or =35.0 U</td>
</tr>
<tr>
<td>NSA</td>
<td>Negative (not detectable)</td>
</tr>
</tbody>
</table>

**Critical Values:**
N/A

**Limitations:**
Results from this test should not be exclusively relied upon to establish the diagnosis of UC or CD or to distinguish between these 2 diseases. Some patients with CD have detectable NSA, and some patients with UC have elevated levels of IgA and/or IgG ASCA.

Approximately 1/3 of patients have low titered anti-nuclear antibodies (ANA), which make it impossible to distinguish the presence or absence of NSA. These results are reported as indeterminate.

Not useful to determine the extent of disease in patients with IBD or determine the response to disease-specific therapy including surgical resection of diseased intestine.

**Methodology:**
Enzyme-Linked Immunosorbent Assay (ELISA)
Indirect Immunofluorescent Assay (IFA)
References:  
Mayo Medical Laboratories  December 2017

Updates:  
12/17/2018: Updated collection and processed specimen volume