## Lab Dept: Serology

### Test Name: YERSINIA ANTIBODY

#### General Information

**Lab Order Codes:** YEA  
**Synonyms:** Yersinia Enterocolitica Antibody (IgG, IgA)  
**CPT Codes:** 86793 x2 – Yersinia antibody  
**Test Includes:** Titers for *Yersinia enterocolitica* antibodies (IgG and IgA).

#### Logistics

**Test Indications:** *Yersinia enterocolitica* is associated with a wide spectrum of clinical and immunological manifestations, including enteritis, colitis, reactive arthritis, and erythema nodosum. *Y. enterocolitica*-specific IgA and IgG are both typically detected following acute infection; IgA usually disappears after 2-3 months, whereas IgG persists for at least a year. IgA persistence is observed in some patients with chronic reactive arthritis.

**Lab Testing Sections:** Serology – Sendouts  
**Referred to:** Mayo Medical Laboratories (Test# 90522) forward to Focus Diagnostics (Test# 41065)  
**Phone Numbers:**  
- MIN Lab: 612-813-6280  
- STP Lab: 651-220-6550  
**Test Availability:** Daily, 24 hours  
**Turnaround Time:** 3 – 9 days, performed once weekly  
**Special Instructions:** N/A

#### Specimen

**Specimen Type:** Blood  
**Container:** Red top tube  
**Draw Volume:** 1.5 mL (Minimum: 0.6 mL) blood  
**Processed Volume:** 0.5 mL (Minimum: 0.2 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 ambient (preferred) temperature (specimens will be accepted refrigerated or frozen as well). Forward promptly.

### Patient Preparation:
None

### Sample Rejection:
Specimens other than serum; mislabeled or unlabeled specimens

#### Interpretive

<table>
<thead>
<tr>
<th>Reference Range:</th>
<th>&lt;0.90</th>
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<tbody>
<tr>
<td>Critical Values:</td>
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<tr>
<td>Limitations:</td>
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</tr>
<tr>
<td>Methodology:</td>
<td>ELISA (Enzyme Linked Immunosorbent Assay)</td>
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<tr>
<td>References:</td>
<td>Mayo Medical Laboratories Web Page May 2011</td>
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<tr>
<td></td>
<td>Focus Diagnostics, Inc. May 2011</td>
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#### Updates:
8/4/04: Test moved from Specialty Laboratories to Mayo Medical Laboratories.
9/27/09: Mayo notification for test 80346, Focus Diagnostics discontinued testing via MAT, replacement test by ELISA for IgA and IgG established. New reference range.
5/31/2011: Specimen volume change.