**Lab Dept:** Serology  
**Test Name:** OLIGOCLONAL BANDING, SERUM AND CSF

### General Information

**Lab Order Codes:** OLIB  
**Synonyms:** Oligoclonal Banding, CSF; Oligoclonal Banding, Spinal Fluid and Serum  
**CPT Codes:** 83916 x2 – Oligoclonal immune  
**Test Includes:** Oligoclonal bands from CSF, from Serum and Interpretation

### Logistics

**Test Indications:** Useful for the diagnosis of multiple sclerosis; especially useful in patients with equivocal clinical presentation and radiological findings.  
**Lab Testing Sections:** Serology - Sendouts  
**Referred to:** Mayo Medical Laboratories (MML Test: 8017/OLIG)  
**Phone Numbers:** MIN Lab: 612-813-6280  
STP Lab: 651-220-6550  
**Test Availability:** Daily, 24 hours  
**Turnaround Time:** 2 - 4 days, test set up Monday through Saturday  
**Special Instructions:** Both serum and spinal fluid are required for this test. Specimens must be drawn within 7 days of each other.

### Specimen

**Specimen Type:** Blood and CSF (See Special Instructions)  
**Container:**  
**Blood:** Red top tube  
**CSF:** Screw capped, sterile vial  
**Draw Volume:** 1.5 mL (Minimum: 1.2 mL) blood  
0.5 mL (Minimum: 0.4 mL) CSF
| **Processed Volume:** | 0.5 mL (Minimum: 0.4 mL) serum  
0.5 mL (Minimum: 0.4 mL) CSF |
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<tr>
<td><strong>Collection:</strong></td>
<td>Routine venipuncture and spinal fluid collection</td>
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<td><strong>Special Processing:</strong></td>
<td>Lab Staff: Centrifuge blood specimen, remove serum aliquot and freeze in a screw capped round bottom plastic vial. Freeze processed serum and CSF specimens in separate plastic vials. Label appropriately with specimen type. Ship refrigerated. Forward promptly.</td>
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<td><strong>Patient Preparation:</strong></td>
<td>None</td>
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<td><strong>Sample Rejection:</strong></td>
<td>Specimens other than spinal fluid and serum; more than 7 days between CSF and serum collection times; CSF or serum collected alone; mislabeled or unlabeled specimens</td>
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**Interpretive**

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<tr>
<th><strong>Reference Range:</strong></th>
<th>&lt;4 bands</th>
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<tr>
<td><strong>Critical Values:</strong></td>
<td>N/A</td>
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<td><strong>Limitations:</strong></td>
<td>These tests are not specific for MS.</td>
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<td><strong>Methodology:</strong></td>
<td>Isoelectric focusing (IEF) with IgG immunoblot detection</td>
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<td><strong>References:</strong></td>
<td><a href="http://www.mayomedicallaboratories.com">Mayo Medical Laboratories Web Page</a> November 2014</td>
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