

---

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

**CSF:** Screw capped, sterile vial

**Draw Volume:** 1.5 mL (Minimum: 1.2 mL) blood

0.5 mL (Minimum: 0.4 mL) CSF

<b>Processed Volume:</b>	0.5 mL (Minimum: 0.4 mL) serum 0.5 mL (Minimum: 0.4 mL) CSF
<b>Collection:</b>	Routine venipuncture and spinal fluid collection
<b>Special Processing:</b>	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.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	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

---

### ***Interpretive***

<b>Reference Range:</b>	<4 bands  A finding of 4 or more CSF-specific bands is consistent with multiple sclerosis. The presence of oligoclonal bands is unrelated to disease activity.
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	These tests are not specific for MS.
<b>Methodology:</b>	Isoelectric focusing (IEF) with IgG immunoblot detection
<b>References:</b>	<a href="#">Mayo Medical Laboratories Web Page</a> December 2017
<b>Updates:</b>	12/21/2017: Collection tube update