
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

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

Reference Range:	<2 bands A finding of 2 or more CSF-specific bands is consistent with diagnostic criteria for multiple sclerosis. These findings, however, are not specific for MS as CSF-specific IgG synthesis may also be found in patients with other neurologic diseases including infectious, inflammatory, cerebrovascular, and paraneoplastic disorders. Clinical correlation is recommended.
Critical Values:	N/A
Limitations:	These tests are not specific for MS.
Methodology:	Isoelectric focusing (IEF) with IgG immunoblot detection
References:	Mayo Clinic Laboratories Web Page July 2020
Updates:	12/21/2017: Collection tube update 7/21/2020: Updated reference range