

Myelin Basic Protein, Spinal Fluid

#9974

EXPLANATION OF CHANGE: Effective immediately test #9974, Myelin Basic Protein, Spinal Fluid will no longer be available due to lack of reagents.

The most common indication for ordering the MBP test is in the differential diagnosis of MS. Elevated concentrations of MBP in the CSF is only an indication of demyelination, which can occur in clinical contexts other than MS (1). Therefore, elevated concentration of MBP in the CSF should not be considered as a diagnostic marker for MS. Recent revisions to the diagnostic criteria for MS include CSF oligoclonal IgG bands and/or increased IgG index, but not MBP measurements (2,3).

From a quality perspective, the laboratory has found it difficult to obtain satisfactory reagents on a regular basis from the manufacturer. The test kits, in many instances, have not met the laboratory's previously defined quality measures.

CLINICAL REFERENCES:

1. Watson MA and Scott MG. Clinical utility of biochemical analysis of cerebrospinal fluid. Clin Chem 41 (1995) 343-360.
2. Polman CH, Reingold SC, Edan G, Filippi M, et al. Diagnostic criteria for multiple sclerosis: 2005 revisions to the "McDonald Criteria". Ann Neurol 58 (2005) 840-846.
3. Freedman MS, Thompson EJ, Deisenhammer F, Giovannoni G, et al. Recommended standard of cerebrospinal fluid analysis in the diagnosis of multiple sclerosis; A consensus statement. Arch Neurol 62 (2005) 865-870.

RECOMMENDED ALTERNATIVE TESTS TO ASSIST IN MULTIPLE SCLEROSIS DIAGNOSIS:

UNIT CODE	TEST NAME
8017	Oligoclonal Banding, Serum and Spinal Fluid
8009	Cerebrospinal Fluid (CSF) IgG Index
83305	Multiple Sclerosis (MS) Profile (contains both analytes listed above)

NOTE: If requested, testing for myelin basic protein can be forwarded to ARUP Laboratories:

REFERRAL TEST: #91613, Myelin Basic Protein, CSF.

SPECIMEN REQUIREMENTS: 1 mL (0.4 mL min) of spinal fluid. Send specimen refrigerated.

NOTE: Label specimen appropriately (spinal fluid).

CPT CODE: 83873

LIST PRICE: \$60.75

DAY(S) SET UP: Monday, Wednesday, Friday **ANALYTICAL TIME:** 1-4 Days

Questions: Contact your Mayo Medical Laboratories' Regional Manager
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