

MS Profile with Myelin Basic Protein (MBP) #81271

EXPLANATION OF CHANGE: Effective immediately, test #9974, Myelin Basic Protein, Spinal Fluid will no longer be available. As a result, test #81271, MS Profile with Myelin Basic Protein (MBP) will also become obsolete.

The most common indication for ordering the MBP test is in the differential diagnosis of MS. An elevated concentration of MBP in the CSF is only an indication of demyelination, which can occur in clinical contexts other than MS (1). Therefore, an 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 TEST:

#83305 Multiple Sclerosis (MS) Profile. This profile contains the following components.

UNIT CODE	TEST NAME
3484	CSF Bands
2783	Serum Bands
23611	CSF Olig Bands Interpretation
2762	CSF IgG Index
2763	IgG, S

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