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Myelin Basic Protein (MBP) is a multi-membrane surrounding nerve fibers in both the central and peripheral nervous systems. It is derived from the plasma membrane of the oligodendrocyte in the central nervous system and the Schwann cell in the peripheral nervous system. Myelin consists of approximately 70% lipid and 30% protein by weight. The protein the proteolipids and the basic proteins constitute 65% of the total protein of the membrane of which the myelin basic proteins (MBPs) are the most completely characterized. Antibodies (IgG, IgM, IgA) against MBP and gangliosides, including GM1, GD1a, GD1b, and LM1, and other acidic glycolipids, including L1 and sulphatide, of human brain and peripheral nerve, have been observed in the high percentage of patients with the following neurological conditions:

Multiple sclerosis, Guillain Barre syndrome, chronic inflammatory demyelinating polyradiculoneuropathy, motor neuron disease or peripheral neuropathies, peripheral neuropathy associated with monoclonal IgM antibody (IgM gammopathy), vascular multifactor dementia, Alzheimer's, rheumatoid arthritis, toxic chemical exposure and silicone adjuvant disease.

The major antigen of Myelin Basic Protein in this assay consists of Myelin Associated Glycoprotein or MAG. The performance characteristics of this test were established through validation by Immunoscience Laboratory, Inc., and no approval is required by the U.S. Food and Drug Administration (FDA). Immunoscience Laboratory, Inc. is regulated under the Clinical Laboratory Improvement Amendments of 1988 ("CLIA") as qualified to perform high complexity clinical testing.

*****PLEASE NOTE NEW REFERENCE RANGES*****

MYELIN BASIC PROTEIN IgG	40	0 - 60	ELISA
MYELIN BASIC PROTEIN IgM	24	0 - 54	ELISA
MYELIN BASIC PROTEIN IgA	6	0 - 21	ELISA

*** MBP ANTIBODY ***

TEST RESULTS NORMAL ABNORMAL REFERENCE RANGE UNITS

JAGUETLYN MCCANDLESS, M.D. P.O. BOX 1868 HUNTER, MI. 96727	
Blood Drawn	Processed
Reported	ISL No.
07/18/06	08/03/06 200714

REFERRING PHYSICIAN

Patient Name:	PARK-ALVAREZ, RUBEN
Patient I.D.:	D0808062002

Immunoscience Lab., Inc.

Rahim Karjoo, M.D. Medical Director



56