

NEUROIMMUNOLOGY LABORATORY GLASGOW

REFERENCE RANGES

TEST NAME	RESULT/RANGE	CLINICAL INDICATION	METHOD
Anti Acetylcholine Receptor Antibodies (AChR, ACR)	<ul style="list-style-type: none"> <0.5 nmol/L = Negative >0.5 nmol/L = Positive 	<ul style="list-style-type: none"> Myasthenia Gravis 	Radio- immunoassay RIA
CSF Oligoclonal Bands	<ul style="list-style-type: none"> Normal – Both CSF and serum are clear with no visible bands. Positive – The CSF has visible distinctive bands and the serum is clear. Bands in Both – Both CSF and serum have visible distinctive and matching bands. Monoclonal – Both CSF and serum have visible distinctive and matching bands in a “ladder-like” pattern. Polyclonal – The CSF appears darkly stained and unable to differentiate distinctive bands. Equivocal – Unable to evaluate e.g. some minor non-distinctive bands present. This result will be referred for clinical evaluation. Combination – It is possible that some samples may show a combination of more than one of the above categories e.g. positive and bands in both. 	<ul style="list-style-type: none"> Positive – Indicative of Multiple Sclerosis. Bands in Both – Indicative of systemic inflammation. Positive and Bands in Both – Multiple Sclerosis and brain inflammation in systemic disease. Monoclonal – Indicative of Myeloma or monoclonal gammopathy. 	Isoelectric Focussing IEF
Anti Ganglioside Antibodies (IgG and IgM)	<ul style="list-style-type: none"> Titre <1/500 is normal Titre >1/500 is positive Positive results are interpreted with clinical indications. 	<ul style="list-style-type: none"> Gullain-Barre Syndrome Multifocal Motor Neuropathy Miller Fisher Syndrome Acute Motor Axonal Neuropathy CANOMAD Other Neuropathies 	ELISA
Anti Myelin Associated Glycoprotein Antibodies (Anti-MAG IgM)	<ul style="list-style-type: none"> <1000 BTU/ml = Negative >1000 BTU/ml = Positive Results reported numerically 	<ul style="list-style-type: none"> IgM Paraproteinemic Neuropathy Chronic Sensory Neuropathies 	ELISA
Anti Paraneoplastic Antibodies (Anti Neuronal Antibodies)	<ul style="list-style-type: none"> Negative Positive screening is confirmed by western blot for the following antibodies: Hu, Yo, Ri, CV2, Ma2Ta, SOX1, Amphiphysin, Recoverin and Titin. 	<ul style="list-style-type: none"> Paraneoplastic Cerebellar Syndrome Encephalopathies and Neuropathies 	IFA Western Blot
Anti- glutamate receptor (Type NMDA) antibodies	<ul style="list-style-type: none"> Negative Positive 	<ul style="list-style-type: none"> Autoimmune Encephalitis 	IIFT
Anti- voltage gated potassium channel associated proteins (LG11 and CASPR2)	<ul style="list-style-type: none"> Negative Positive 	<ul style="list-style-type: none"> Autoimmune Encephalitis 	IIFT
Glutamic Acid Decarboxylase Antibodies (GAD) (Stiff Person)	<ul style="list-style-type: none"> <5 u/ml = Negative >5 u/ml = Positive 	<ul style="list-style-type: none"> Antibodies against GAD are associated with Stiff Person syndrome. 	ELISA