


Aquaporin 4 Antibodies

Synonyms	AQP4
Clinical Indication	<p>Neuromyelitis optica (NMO, or Devic's disease) - longitudinally extensive transverse myelitis and optic neuritis.</p> <p>It is essential to provide relevant clinical information.</p>
Part of Profile / See Also	
Request Form	Combined Pathology manual blood request form or ICE request
Availability / Frequency of Analysis	<p>Referred test: Analysed by Immunology, Oxford University Hospital 8782</p> <p>Available for request from Consultant Neurologist.</p>
Turnaround Time	21 days
Patient Preparation	No special preparation is required.
Sample Requirements	*Please note a separate sample is required when Immunology tests are requested in addition to Biochemistry tests*
Specimen Type	Serum
Volume	7 ml
Container	 <p>Yellow top (SST) tube.</p>
Reference Range & Units	Samples are tested by cell-based assay and the results reported as Positive or Negative.
Interferences	
Interpretation & Clinical Decision Value (if applicable)	<p>Aquaporin 4 is the major autoantigen in neuromyelitis optica (NMO, or Devic's disease). IgG antibodies to AQP4 are found in >80% of NMO patients and around 50% of patients with longitudinally extensive transverse myelitis. They are infrequent in patients with optic neuritis without spinal cord involvement.</p>
References	<ul style="list-style-type: none"> Update on the diagnosis and treatment of neuromyelitis optica spectrum disorders (NMOSD) – revised recommendations of the Neuromyelitis Optica Study Group (NEMOS). Part I: Diagnosis and differential diagnosis <i>Journal of Neurology</i> Diagnosis and classification of neuromyelitis optica (Devic's syndrome). <i>Autoimmun Rev.</i> 2014 Apr-May;13(4-5):531-3
Test code	AQUA
Lab Handling	Aliquot and store at 4-8°C prior to testing and at -20°C or below for up to 1 month after receipt.