

Laboratory Medicine Care Division

Immunology

Paraneoplastic Neuronal Antibodies

General information

Analysis includes antibodies to Amphiphysin, CV2, PNMA2(Ma2), Ri, Yo, Hu, Recoverin, SOX1, Titin, Zic4, and GAD65 and Tr (DNER). Used to determine if an underlying malignancy exists alongside neurological disease.

Please note: Antibodies to Ma1 are no longer performed in this laboratory.

Specimen transport: At room temperature

Repeat frequency: At significant change of clinical symptoms

Special precautions: None

Laboratory information

Normal reference range: Negative

Volume and sample type: 4ml serum

Method: Immunoblot

Turnaround time (calendar days from sample receipt to authorised result): Median – 5

Participation in EQA scheme: UK NEQAS for Paraneoplastic Antibodies

Clinical information

Indications for the test: Cerebellar degeneration, encephalitis, neuropathy

Factors affecting the test: Interferences may be possible by administration of intravenous immunoglobulins (so-called IVIG). At present no further interferences by drugs are known. After plasmapheresis preliminary positive results may become weak or negative.

(Last updated June 2026)