



**Neurosciences Group**

**Laboratory Immunology**

**Oxford Neuroimmunology testing service**

The service is provided jointly between the Neurosciences Group, University of Oxford (UofO), and Laboratory Immunology, Oxford University Hospitals NHS Trust (OUH). This document gives information on our repertoire, sample requirements, turnaround times, prices and contact details.

For further documentation about requesting these tests and information about their clinical utility please go to our website.

**Oxford University Hospitals NHS Trust:**

<http://www.ouh.nhs.uk/immunology/diagnostic-tests/neuroimmunology.aspx>

**\*\*From April 2012 tests marked OUH will be billed through OUH Finance, those marked U of O will be billed as now through the University Finance Department.**

<b>Test / Method</b>	<b>Preferred Sample</b>	<b>Turnaround Time*</b>	<b>£ Cost</b>	<b>Billed by**</b>
<b>Acetylcholine Receptor</b> (anti-AChR; RIA) IgG	Serum	14	NHS 15.00 Other 20.00	OUH
<b>Muscle Specific Kinase (MuSK)</b> (anti-MuSK; RIA) IgG	Serum	14	NHS 20.00 Other 30.00	OUH
<b>Glutamic acid decarboxylase</b> (GAD) (anti GAD; ELISA) IgG	Serum	14	NHS 15.00 Other 20.00	OUH
<b>Voltage gated Ca<sup>2+</sup> channel</b> (anti-VGCC; RIA) IgG	Serum	21	40.00	UofO
<b>Voltage gated K<sup>+</sup> channel</b> (anti-VGKC; RIA) IgG	Serum	14	40.00	OUH
<b>Ganglioside GM1</b> (anti-GM1; ELISA) IgG and IgM (combined)	Serum	14	NHS 15.00 Other 20.00	OUH
<b>Ganglioside GQ1b</b> (anti-GQ1b; ELISA) IgG and IgM (combined)	Serum	14	NHS 15.00 Other 20.00	OUH

Test / Method	Preferred Sample	Turnaround Time*	£ Cost	Billed by**
Markers for Paraneoplastic neurological syndromes Hu, Yo, Ri, Ma, Amphiphysin, CRMP5/CV2, Tr  Immunofluorescence screen AND confirmation by RAVO Immunoblot included in price.	Serum	14	NHS 25.00 Other 30.00	Ouh
<b>Myelin associated glycoprotein (MAG)</b> (anti-MAG; ELISA) IgM	Serum	14	NHS 20.00 Other 30.00	Ouh
Serum antibodies to <b>clustered AChR or MuSK</b> on cell lines (for detection of low affinity antibodies) For further information: contact Prof A Vincent	Serum	28	100.00 (price includes AChR, MuSK and LRP4)	UofO
<b>Aquaporin-4 antibodies</b> (NMO antibodies)	Serum	14	FOC England / Scotland Otherwise £50	UofO
<b>LG11 and CASPR2</b> antibodies	Serum	14	80.00 (Price is for both LG11 and CASPR2)	UofO
<b>Fixed NMDA receptor</b> antibodies	<b>Paired Serum and CSF Required</b>	7	35.00 (serum) 35.00 (CSF)	Ouh
<b>Live NMDA receptor</b> antibodies	<b>Paired Serum and CSF Required</b>	14	50.00 (serum and CSF)	UofO
<b>GABA<sub>B</sub> receptor and AMPA receptor 1/2</b> <b>Both antibodies</b>	Serum	21	80.00	UofO
<b>Glycine Receptor</b> antibodies	Serum	28	50.00 (for both serum and CSF)	UofO
Serum $\alpha$ 3 ganglionic receptor For further information please contact <a href="mailto:bethan.lang@ndcn.ox.ac.uk">bethan.lang@ndcn.ox.ac.uk</a>	Serum	N/A	50.00	UofO
<b>Myelin oligodendrocyte glycoprotein (MOG)</b> antibodies.	Serum	14	50.00	UofO
<b>CSF Orexin levels</b>	CSF Can be sent at ambient temperature, however retain frozen aliquot at source.	42	50.00	UofO

\* Within laboratory turnaround time in days unless otherwise stated

1: A “fixed cell” anti-NMDA assay is the standard assay used for all NMDA autoantibody analysis requests unless a live cell assay is specifically requested.

2: The “live cell” NMDA autoantibody assay is available upon request: Please write “Live cell NMDA” on request card.

## **Using our service**

### **Sample**

If serum or plasma required – one ml, is sufficient to process several tests.

If CSF/liquor required – one ml.

Please contact Laboratory Immunology on +44 1865 225995 further sample information required e.g. small sample.

### **Transport**

Packaging must conform to UN3373.

Use a screw top, leak proof container such as Sarstedt 72.894.007

Transport at ambient temperature unless transport will take more than 3 days.

### **Postal address for ALL samples**

Immunology Laboratory

Churchill Hospital

Old Road

Headington

Oxford OX3 7LE

United Kingdom

Email: [immunology.office@NHS.Net](mailto:immunology.office@NHS.Net)

Website: <http://www.ouh.nhs.uk/immunology/default.aspx>

Phone: +44 1865 225995

### **Please note the following:**

- Label all tubes with patient's name and date of birth or name and identifying number.
- On the request card give full patient name and identifiers (e.g. NHS number), date of birth, provisional diagnosis or clinical signs, and the test(s) that you require.
- A copy of a request card is available to use, download a copy from the website.
- Enclose any previous relevant correspondence including emails. Include email address, if appropriate, since this makes it easy to contact you quickly if necessary.
- Give full requester information, including name/department address for report.
- England and Scotland: Aquaporin-4/NMO requests should be accompanied by a question sheet – see:  
<http://www.ouh.nhs.uk/services/referrals/neurosciences/nmo-clinic.aspx#samples>
- Include the address to which the bill should be sent if different from report address.
- Send this paperwork with the sample but in separate bag which should be uncontaminated with biological material. Put paperwork inside the external packaging.
- Attach any other relevant correspondence including a copy of email correspondence, if appropriate, since this makes it easy to contact you quickly if necessary.

### **Reports**

These are usually sent by First Class mail / Airmail. Please phone +44 1865 225995 if results are required urgently.

### **Billing**

Invoices are sent out after results have been posted.

## **Contacts**

For general enquiries including results and invoicing issues:

Email: [immunology.office@NHS.Net](mailto:immunology.office@NHS.Net) Telephone +44 1865 225995

For clinically related matters only:

Sarosh Irani, Consultant Neurologist,

Email: [Sarosh.Irani@NHS.Net](mailto:Sarosh.Irani@NHS.Net)

Professor Berne Ferry, Consultant Clinical Scientist

Email: [berne.ferry@ouh.nhs.uk](mailto:berne.ferry@ouh.nhs.uk) Telephone +44 1865 225995

## **Request Forms**

To help reduce data entry errors, speed up turnaround times and ensure correct locations for reports and invoices you may wish to use an electronic request form available. This form is suitable for both Immunology and Neuroimmunology requests and may be downloaded from.

<http://www.ouh.nhs.uk/immunology/documents/request-card.pdf>

or by e-mail from [immunology.office@NHS.Net](mailto:immunology.office@NHS.Net)

This form can be completed electronically prior to shipping with the sample. Please ensure that, if you use your own request card, sufficient patient, clinical, requester and billing information is given.

Thank you