


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>Accredited to ISO 15189:2012</p>	<h3>NHS Greater Glasgow and Clyde</h3> <p>Issue No: 009 Issue date: 18 January 2024</p>	
	<p>Department of Immunology and Neuroimmunology Level 1B Laboratory Medicine Building Queen Elizabeth University Hospital 1345 Govan Road Glasgow G51 4TF United Kingdom</p>	<p>Contact: Carolyn Watt Tel: +44 (0)141 3549024 E-Mail: Carolyn.Watt@ggc.scot.nhs.uk Website: www.nhsggc.org.uk/ImmunologyNeuroimmunology</p>
<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS AND TISSUE	<u>Neuroimmunology activities for the purpose of clinical diagnosis</u>	In house documented procedures using-
Serum CSF	Oligoclonal bands	Multiphor 11, Electrophoresis system by IEF SOP;-LP_NI_8
Serum	Acetylcholine Receptor Antibodies	Perkin Elmer Gamma counter- RIA SOP;- LP_NI_18
Serum	Anti Myelin Associated Glycoprotein	Perkin Elmer Victor plate reader by ELISA SOP ;- LP_NI_10
Serum/Plasma	Anti Glycolipid antibodies (gangliosides) IgM and IgG <ul style="list-style-type: none"> <li>• GM1</li> <li>• GM2</li> <li>• GDIA</li> <li>• GDIB</li> <li>• GQIB</li> </ul>	SOP ;- LP_NI_1
Serum	Anti- neuronal antibodies screen (paraneoplastic)	by Werfen QuantaLYSER 3000 automated slide processor & indirect immunofluorescence microscopy LP_IIF_9 and LP_NI_2



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<p>HUMAN BODY FLUIDS AND TISSUE (cont'd)</p> <p>Serum (cont'd)</p> <p>Serum/Plasma/CSF</p>	<p><u>Neuroimmunology activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Anti-neuronal antibodies (confirmation)</p> <ul style="list-style-type: none"> <li>• Anti-Hu</li> <li>• Anti-Yo</li> <li>• Anti-Ri</li> <li>• Anti-CV2</li> <li>• Anti-MA2Ta</li> <li>• Anti-Amphiphysin</li> <li>• Anti-Sox1</li> <li>• Anti-Recoverin</li> <li>• Anti-Titin</li> </ul> <p>Detection of :</p> <p>Anti Glutamate receptor (type NMDA)</p> <p>Anti Voltage Gated Potassium channel associated proteins (VGKC)</p> <ul style="list-style-type: none"> <li>• LGI 1</li> <li>• CASPR 2</li> </ul> <p>Anti- Neuromyelitis Optica Spectrum Disorder antibodies(NMOSD)</p> <ul style="list-style-type: none"> <li>• Anti- Anti-Myelin Oligodendrocyte Glycoprotein abs (Anti-MOG)</li> </ul> <p>Anti- Aquaprin 4 abs (AQP4)</p>	<p>In house documented procedures using-</p> <p>Euroimmun Blotmaster Western Blot SOP ;- LP_NI_30</p> <p>IIFT Biochips- Indirect Immunofluorescence ; Using Euroimmun Sprinter SOP ; LP_G_3 LP_NI_27 Operation and Maintenance of IF Sprinter for detection of NMDA, VGCK and NMOSD.</p>



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<p>HUMAN BODY FLUIDS AND TISSUE (cont'd)</p> <p>Serum</p>	<p><u>Immunology activities for the purpose of clinical diagnosis</u></p> <p>Detection of:</p> <p>Anti-Nuclear antibodies ( ANA)</p> <p>ANA titres</p> <p>Tissue Auto Antibodies ( AA)</p> <p>Anti-Neutrophil Cytoplasmic Antibodies (ANCA)</p> <p>IgA Endomysial,</p> <p>Skin antibodies (Pemphigus and Pemphigoid)</p> <p>Adrenal</p> <p>Crithidia</p>	<p>Werfen QuantaLYSER 3000 and automated slide processor by Detected by Indirect Immunofluorescence Fluorescent Microscope LP_G_3 and acquisition, analysis and storage of digital image using the NOVA View automated fluorescence microscope LP_IFF_11 LP_IIF_2</p> <p>LP_IIF_2</p> <p>LP_IIF_3</p> <p>LP_IIF_4</p> <p>LP_IIF_5</p> <p>LP_IIF_7</p> <p>LP_IIF_6</p> <p>LP_IIF_8</p>



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<p>HUMAN BODY FLUIDS AND TISSUE (cont'd)</p> <p>Serum</p>	<p><u>Immunology activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Detection of :</p> <p>Intrinsic Factor Antibodies ( IFA)</p> <p><i>Haemophilus influenzae type b</i> (HiB)antibodies</p> <p>Pneumonococcal Capsular Polysaccharide (PCP) antibodies</p> <p>Tetanus Toxoid IgG antibodies</p> <p>Glutamic acid decarboxylase (GAD) autoantibodies</p> <p>Anti-Myelin Associated Glycoprotein (MAG)</p> <p>Anti-Glomerular basement membrane (GBM) antibodies</p> <p>Anti-Myeloperoxidase (MPO) antibodies</p> <p>Anti-Proteinase 3 (PR3) antibodies</p> <p>IgA &amp; IgG Anti-Tissue Transglutaminase (TTG) antibodies</p> <p>dsDNA antibodies</p> <p>Anti-Extractable Nuclear Antigen (ENA) antibodies: Screen</p>	<p>DS2 by ELISA LP_ICHEM_1 LP_ICHEM_2</p> <p>LP_ICHEM_3</p> <p>LP_ICHEM_4</p> <p>LP_ICHEM_5</p> <p>LP_ICHEM_6</p> <p>LP_NI_10</p> <p>Phadia 2500 by FEIA LP_IAUTO_6</p>



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<p>HUMAN BODY FLUIDS AND TISSUE (cont'd)</p> <p>Serum</p>	<p><u>Immunology activities for the purpose of clinical diagnosis (cont'd)</u></p> <p>Allergen Specific IgE (whole allergens): (cont'd)</p> <ul style="list-style-type: none"> <li>•Chilli pepper (f279)</li> <li>•Chlorhexadine (c8)</li> <li>•Coconut (f36)</li> <li>•Cod (f3)</li> <li>•Coriander (f317)</li> <li>•Cow dander (e4)</li> <li>•Crab (f23)</li> <li>•Dog dander (e5)</li> <li>•Egg white (f1)</li> <li>•Egg yolk (f75)</li> <li>•Ethylene oxide (k78)</li> <li>•Feathers, caged bird mix (ex72): Budgiergar, Canary, Parakeet, Parrot, Finch feathers</li> <li>•Feathers, poultry mix (ex71): Goose, Chicken, Duck, Turkey feathers</li> <li>•Food mix (fx5): Egg white, Milk, Cod, Soybean, Peanut, Wheat</li> <li>•Formaldehyde/formalin (k80)</li> <li>•Garlic (f47)</li> <li>•Gelatin (c74)</li> <li>•Ginger (f270)</li> <li>•Grape (f259)</li> <li>•Grass pollen mix (gx3): Sweet vernal, Rye, Timothy, Cultivated rye, Velvet grass</li> <li>•Green pepper (f263)</li> <li>•Guinea pig epithelium (e6)</li> <li>•Hamster epithelium (e84)</li> <li>•Hazel nut (f17)</li> <li>•Horse dander (e3)</li> <li>•House dust mite (d1)</li> <li>•Kiwi fruit (f84)</li> <li>•Latex (k82)</li> <li>•Lemon (f208)</li> <li>•Lentil (f235)</li> <li>•Lupin (f335)</li> <li>•Maize (f8)</li> <li>•Mango (f91)</li> </ul>	<p>Phadia 2500 by FEIA LP_IAUTO_6</p>



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Whole Blood	Lymphocyte subset basic panel (CD45, CD3, CD4, CD8, CD16/CD56 and CD19)	LP_ICELL_1
Blood	Detection of Neutrophil Respiratory Burst by flow cytometry	Neutrophils stimulated with PMA and labelled with DHR, Fluorescent changes are assessed by flow cytometry using BD FACS Lyric Flow Cytometer.  SOP: LP_ICELL_3 Measurement of Neutrophil Respiratory Burst Activity by Flow Cytometry
Blood	Detection of autoimmune liver disease auto-antibodies: AMA-M2 M2-3E (BPO) Sp100 PML gp210 LKM-1 LC-1 SLA/LP Ro-52	Immunoblot using Euroimmun Blotmaster  SOP: LP_BLOT_1 Detection of autoimmune liver disease autoantibodies using the EUROBlotMaster
END		