


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 9713</p> <p>Accredited to ISO 15189:2022</p>	<h3>NHS Greater Glasgow and Clyde</h3> <p>Issue No: 013 Issue date: 16 March 2026</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@nhs.scot Website: www.nhsggc.scot/inilab</p>
<p>Testing performed at the above address only</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/Plasma	Anti Glycolipid antibodies (gangliosides) IgM and IgG <ul style="list-style-type: none"> • GM1 • GM2 • GDIA • GDIB • GQIB 	In-house ELISA screening and titration assay using Perkin Elmer VICTOR plate reader 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>SerumCSF</p> <p>Serum</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"> • Anti-Hu • Anti-Yo • Anti-Ri • Anti-CV2 • Anti-MA2Ta • Anti-Amphiphysin • Anti-Sox1 • Anti-Recoverin • Anti-Titin <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"> • LGI 1 • CASPR 2 <p>Anti- Neuromyelitis Optica Spectrum Disorder antibodies(NMOSD)</p> <ul style="list-style-type: none"> • Anti- Anti-Myelin Oligodendrocyte Glycoprotein abs (Anti-MOG) Anti- Aquaprin 4 abs (AQP4) 	<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</p> <p>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>Pneumococcal Capsular Polysaccharide (PCP) antibodies</p> <p>Tetanus Toxoid IgG antibodies</p> <p>Glutamic acid decarboxylase (GAD) autoantibodies</p> <p>Anti-Glomerular basement membrane (GBM) antibodies</p> <p>Anti-Myeloperoxidase (MPO) antibodies</p> <p>Anti-Proteinase 3 (PR3) antibodies</p> <p>IgA & IgG Anti-Tissue Transglutaminase (TTG) antibodies</p> <p>dsDNA antibodies</p> <p>Anti-Extractable Nuclear Antigen (ENA) antibodies: Screen</p>	<p>DS2 by ELISA</p> <p>LP_ICHEM_1</p> <p>Using Inova diagnostics kits LP_ICHEM_2</p> <p>Using Binding Site kits LP_ICHEM_3</p> <p>Using Binding Site kits LP_ICHEM_4</p> <p>Using Binding Site kits LP_ICHEM_5</p> <p>Using RSR kits LP_ICHEM_6</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</u> (cont'd)</p> <p>ENA identity:</p> <ul style="list-style-type: none"> • Ro52 • Ro60 • La • SmD • U1-RNP • Scl-70 • Jo-1 • Centromere B • Ribosomal P <p>Anti-Cyclic Citrullinated Peptide (CCP) antibodies</p> <p>Total IgE</p> <p>Allergen Specific IgE (whole allergens):</p> <ul style="list-style-type: none"> •Almond (f20) •Amoxicillin (c6) •Ampicilloyl (c5) •Apple (f49) •Aspergillus fumigatus (m3) •Avocado (f96) •Banana (f92) •Barley (f6) •Bee (honey) venom (i1) •Beef (f27) •Birch (silver) pollen (t3) •Black pepper (f280) •Brazil nut (f18) •Buckwheat(f11) •Cacao (f93) •Candida albicans (m5) •Carrot (f31) •Cashew nut (f202) •Cat epithelium&dander (e1) •Cefaclor (c7) •Celery (f85) •Cheese, cheddar (f81) •Chick pea (f309) •Chicken (f83) 	<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</u> (cont'd)</p> <p>Allergen Specific IgE (whole allergens): (cont'd)</p> <ul style="list-style-type: none"> •Chlorhexadine (c8) •Coconut (f36) •Cod (f3) •Coriander (f317) •Cow dander (e4) •Crab (f23) •Dog dander (e5) •Egg white (f1) •Egg yolk (f75) •Feathers, caged bird mix (ex72): Budgiengar, Canary, Parakeet, Parrot, Finch feathers •Feathers, poultry mix (ex71): Goose, Chicken, Duck, Turkey feathers •Food mix (fx5): Egg white, Milk, Cod, Soybean, Peanut, Wheat •Formaldehyde/formalin (k80) •Garlic (f47) •Gelatin (c74) •Ginger (f270) •Grape (f259) •Grass pollen mix (gx3): Sweet vernal, Rye, Timothy, Cultivated rye, Velvet grass •Green pepper (f263) •Guinea pig epithelium (e6) •Hamster epithelium (e84) •Hazel nut (f17) •Horse dander (e3) •House dust mite (d1) •Kiwi fruit (f84) •Latex (k82) •Lemon (f208) •Lentil (f235) •Lupin (f335) •Maize (f8) •Mango (f91) 	<p>Phadia 2500 by FEIA LP_IAUTO_6</p>



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<p>HUMAN BODY FLUIDS AND TISSUE (cont'd)</p> <p>Whole Blood</p> <p>Whole Blood (EDTA)</p>	<p><u>Immunology activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Lymphocyte subset basic panel (CD45, CD3, CD4, CD8, CD16/CD56 and CD19)</p> <p>Extended flow cytometry antibody panels:</p> <p>T-Cell Tube (Adult): CD45 CD3 CD4 CD8 HLA-DR CD2 CD7 CD25 TCR-$\alpha\beta$</p> <p>T-Cell Tube (Child): CD45 CD3 CD4 CD8 HLA-DR CD25 TCR-$\alpha\beta$ HLA-ABC (MHC Class I)</p> <p>T-Cell Tube (Paed-BMT): CD45 CD3 CD4 CD8 HLA-DR TCR-$\alpha\beta$ TCR-$\gamma\delta$</p>	<p>In-house documented procedures</p> <p>Immunophenotyping by BD FACSDuet (Sample processor) and BD FACSLyric (Flow cytometry) LP_ICELL_1</p> <p>Immunophenotyping by BD FACSDuet (Sample processor) and BD FACSLyric (Flow cytometry) standalone and connected instrument LP_ICELL_2</p>



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<p>HUMAN BODY FLUIDS AND TISSUE (cont'd)</p> <p>Blood</p>	<p><u>Immunology activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>B-Cell Tube: CD45 CD5 CD19 Kappa Lambda</p> <p>Adhesion Deficiency Tube: CD45 CD18 CD11a PE</p> <p>Naïve/Memory T-Cell Tube: CD3 CD4 CD8 CD27 CD45RA CD45RO</p> <p>Gamma/Delta TCR Tube: CD45 CD3 TCR-$\gamma\delta$</p> <p>Detection of Neutrophil Respiratory Burst by flow cytometry</p>	<p>In-house documented procedures</p> <p>Neutrophils stimulated with PMA and labelled with DHR, Fluorescent changes are assessed by flow cytometry using BD FACS Lyric Flow Cytometer.</p> <p>SOP: LP_ICELL_3 Measurement of Neutrophil Respiratory Burst Activity by Flow Cytometry</p>



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<p>HUMAN BODY FLUIDS AND TISSUE (cont'd)</p> <p>Blood</p>	<p><u>Immunology activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Detection of autoimmune liver disease auto-antibodies: AMA-M2 M2-3E (BPO) Sp100 PML gp210 LKM-1 LC-1 SLA/LP Ro-52</p>	<p>In-house documented procedures</p> <p>Immunoblot using Euroimmun Blotmaster</p> <p>SOP: LP_BLOT_1 Detection of autoimmune liver disease autoantibodies using the EUROBlotMaster</p>
<p>END</p>		