Schedule of Accreditation

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Department of Immunology and Neuroimmunology
Level 1B Laboratory Medicine Building
Queen Elizabeth University Hospital
1345 Govan Road
Glasgow
G51 4TF
United Kingdom

Contact: Carolyn Watt
Tel: +44 (0)141 3549024
E-Mail: Carolyn.Watt@nhs.scot
Website: www.nhsggc.scot/inilab

Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODYSAMPLES	Neuroimmunology activities for the purpose of clinical diagnosis	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 • 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

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY SAMPLES (cont'd)	<u>Neuroimmunology activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures using-
Serum (cont'd)	Anti-neuronal antibodies (confirmation) • Anti-Hu • Anti-Yo • Anti-Ri • Anti-CV2 • Anti-MA2Ta • Anti-Amphiphysin • Anti-Sox1 • Anti-Recoverin • Anti-Titin	Euroimmun Blotmaster Western Blot SOP ;- LP_NI_30
Serum/CSF Serum	Detection of : Anti Glutamate receptor (type NMDA) Anti Voltage Gated Potassium channel associated proteins (VGKC) • LGI 1 • CASPR 2 Anti- Neuromyelitis Optica Spectrum Disorder antibodies(NMOSD) • Anti- Anti-Myelin Oligodendrocyte Glycoprotein abs (Anti-MOG) Anti- Aquaprin 4 abs (AQP4)	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.

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY SAMPLES (cont'd)	<u>Immunology activities for the purpose of clinical diagnosis</u>	
	Detection of:	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 fluorescene microscope LP_IFF_11
Serum	Anti-Nuclear antibodies (ANA)	LP_IIF_2
	ANA titres	LP_IIF_2
	Tissue Auto Antibodies (AA)	LP_IIF_3
	Anti-Neutrophil Cytoplasmic Antobodies (ANCA)	LP_IIF_4
	IgA Endomysial,	LP_IIF_5
	Skin antibodies (Pemphigus and Pemphigoid)	LP_IIF_7
	Adrenal	LP_IIF_6
	Crithidia	LP_IIF_8

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY SAMPLES (cont'd)	<u>Immunology activities for the purpose of clinical diagnosis</u> (cont'd)	
	Detection of :	DS2 by ELISA LP_ICHEM_1
Serum	Intrinsic Factor Antibodies (IFA)	Using Inova diagnostics kits LP_ICHEM_2
	Haemophilus influenzae type b (HiB) antibodies	Using Binding Site kits LP_ICHEM_3
	Pneumonococcal Capsular Polysaccharide (PCP) antibodies	Using Binding Site kits LP_ICHEM_4
	Tetanus Toxoid IgG antibodies	Using Binding Site kits LP_ICHEM_5
	Glutamic acid decarboxylase (GAD) autoantibodies	Using RSR kits LP_ICHEM_6 Phadia 2500 by FEIA LP_IAUTO_6
	Anti-Glomerular basement membrane (GBM) antibodies	
	Anti-Myeloperoxidase (MPO) antibodies	
	Anti-Proteinase 3 (PR3) antibodies	
	IgA & IgG Anti-Tissue Transglutaminase (TTG) antibodies	
	dsDNA antibodies	
	Anti-Extractable Nuclear Antigen (ENA) antibodies: Screen	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY SAMPLES (cont'd) Serum	<u>Immunology activities for the purpose of clinical diagnosis</u> (cont'd) ENA identity: • Ro52 • Ro60 • La • SmD • U1-RNP • Scl-70 • Jo-1 • Centromere B • Ribosomal P Anti-Cyclic Citrullinated Peptide (CCP) antibodies Total IgE Allergen Specific IgE (whole allergens): •Almond (f20) •Amoxycillin (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)	Phadia 2500 by FEIA LP_IAUTO_6

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY SAMPLES (cont'd) Serum	<u>Immunology activities for the purpose of clinical diagnosis</u> (cont'd) Allergen Specific IgE (whole allergens): (cont'd) •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): Budgiergar, 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)	Phadia 2500 by FEIA LP_IAUTO_6

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY SAMPLES (cont'd) Serum	<u>Immunology activities for the purpose of clinical diagnosis</u> (cont'd) Allergen Specific IgE (whole allergens): (cont'd) •Melon (f87) •Milk (f2) •Mould mix (mx1*): Penicillium chrysogenum (P.notatum), Cladosporium herbarum, Aspergillus fumigatus, Alternaria alternata* •Mouse epithelium,serum,urine (e88) •Mushroom (f212) •Mussel, blue (f37) •Mustard (f89) •Oat (f7) •Omega-5 gliadin (f416) •Onion (f48) •Orange (f33) •Oyster (f290) •Paprika / Sweet pepper (f218) •Pea (f12) •Peach (f95) •Peanut (f13) •Pear (f94) •Pecan (f201) •Penicilloyl G & V (c1 & c2) •Pine nut (f253) •Pineapple (f210) •Pistachio (f203) •Poppy seed (f224) •Pork (f26) •Potato (f35) •Rabbit epithelium (e82) •Rape seed (f316) •Raspberry (f343) •Rat epithelium,serum,urine (e87) •Rice (f9) •Rye (f5) •Salmon (f41) •Scallop (f338)	Phadia 2500 by FEIA LP_IAUTO_6

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY SAMPLES (cont'd) Serum	<u>Immunology activities for the purpose of clinical diagnosis</u> (cont'd) Allergen Specific IgE (whole allergens): (cont'd) •Seafood mix (fx2): Cod, Shrimp, Blue mussel, Tuna, Salmon •Seminal fluid (o70) •Sesame seed (f10) •Shrimp (f24) •Silver Birch (t3) •Soya bean (f14) •Spice mix (fx71): Caraway, Mace, Cardamom, Clove •Strawberry (f44) •Sunflower seed (k84) •Suxamethonium (c202) •Tomato (f25) •Tree pollen mix (tx8): Box-elder,Common silver birch, Hazel, Oak, Maple leaf sycamore - London plane •Tuna (f40) •Vanilla (f234) •Walnut (f256) •Wasp venom (i3) •Weed pollen mix (wx3): Mugwort, Plantain (English) - Ribwort, Goosefoot - Lamb's Quarter, Goldenrod, Nettle •Wheat (f4) •White bean (f15) Allergen Specific IgE (Allergen Components): Peanut • rAra h1 (f422) • rAra h2 (f423) • rAra h3 (f424) • rAra h6 (f447) • rAra h8 (f352) • rAra h9 (f427)	Phadia 2500 by FEIA LP_IAUTO_6

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY SAMPLES (cont'd) Serum	<u>Immunology activities for the purpose of clinical diagnosis</u> (cont'd) Allergen Specific IgE (whole allergens): (cont'd) Hazelnut • rCor a1 (f428) • rCor a8 (f425) • nCor a9(f440) • rCor a14 (f439) Wasp • rVes v1 (i211) • rVes v5 (i209) Honey Bee • rApi m1 (i208) • rApi m10 (i217) Red meat • Alpha-Gal (o215) Egg • nGal d1 (f233) Peach • rPru p1 (f419) • rPru p3 (f420) • rPru p4 (f421) Apple • rMal d3 (f435 Birch • rBet v1 (t215) • rBet v2 (t216)	Phadia 2500 by FEIA LP_IAUTO_6 Phadia 2500 by FEIA LP_IAUTO_6 (cont'd)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY SAMPLES (cont'd)	<u>Immunology activities for the purpose of clinical diagnosis</u> (cont'd)	
Serum	Detection of;	LP_IAUTO_1, LP_IAUTO_2 and LP_IAUTO_3 Phadia 250 LP_IAUTO_4
	Anti-Glomerular basement membrane (GBM) antibodies	
	Anti-Myeloperoxidase (MPO) antibodies	
	Anti-Proteinase 3 (PR3) antibodies	
	Specific IgG antibodies: • Aspergillus precipitins • Avian precipitins (pigeon) • Farmers Lung serology (micropolysporia)	
	Tryptase	
	Quantification of serum Free Light Chains(Serum free kappa and lambda light chains)	Turbidimetry using Optilite: LP_ICHEM_9
	Quantification of C1 inhibitor	C1 Esterase Antigenic Assay Binding Site by Optilite LP_ICHEM_10
	Complement Function • CH100 (Classical Pathway) • AP100 (Alternative Pathway)	ELISA using WIESLAB® Complement System Kits and Thermo Scientific Multiskan FC Microplate reader. SOP: LP_ICHEM_17
Serum	C1 Inhibitor Function	C1 Esterase Inhibitor Function Chromogenic Assay using Thermo Multiskan FC Microplate Photometer and SOP: LP_ICHEM_15

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY SAMPLES (cont'd)	<u>Immunology activities for the purpose of clinical diagnosis</u> (cont'd)	In-house documented procedures
Whole Blood (EDTA)	Lymphocyte subset basic panel (CD45, CD3, CD4, CD8, CD16/CD56 and CD19)	Immunophenotyping by BD FACSDuet (Sample processor) and BD FACSLyric (Flow cytometry) standalone and connected instrument LP_ICELL_1
Whole Blood (EDTA)	Extended flow cytometry antibody panels: T-Cell Tube (Adult): CD45 CD3 CD4 CD8 HLA-DR CD2 CD7 CD25 TCR-αβ T-Cell Tube (Child): CD45 CD3 CD4 CD8 HLA-DR CD25 TCR-αβ HLA-ABC (MHC Class I) T-Cell Tube (Paed-BMT): CD45 CD3 CD4 CD8 HLA-DR TCR-αβ TCR-γδ	Immunophenotyping by BD FACSDuet (Sample processor) and BD FACSLyric (Flow cytometry) standalone and connected instrument LP_ICELL_2

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY SAMPLES (cont'd)	<u>Immunology activities for the purpose of clinical diagnosis</u> (cont'd) B-Cell Tube: CD45 CD5 CD19 Kappa Lambda Adhesion Deficiency Tube: CD45 CD18 CD11a PE Naïve/Memory T-Cell Tube: CD3 CD4 CD8 CD27 CD45RA CD45RO Gamma/Delta TCR Tube: CD45 CD3 TCR-γδ	In-house documented procedures
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

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY SAMPLES (cont'd)	Immunology activities for the purpose of clinical diagnosis (cont'd)	In-house documented procedures
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		