


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 8874 Accredited to ISO 15189:2012	North Cumbria Integrated Care NHS Foundation Trust Issue No: 011 Issue date: 11 October 2021	
	Cell and Infection Sciences Laboratory Cumberland Infirmary Carlisle CA2 7HY	Contact: Kim Cookson Tel: +44 (0)1228 814643 E-Mail: kim.cookson@ncic.nhs.uk Website: www.ncic.nhs.uk
Testing performed at the above address only		

Site activities performed away from the locations listed above:

Location details		Activity
Address Body Store West Cumberland Hospital Whitehaven CA28 8JG	Local Contact Karen Simpson	Storage of bodies
Address Mortuary Cumberland Infirmary Carlisle CA2 7HY	Local Contact Karen Simpson	Storage of bodies and mortuary services



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN BODY FLUIDS AND TISSUES</p> <p>Swabs from wounds, genital sites, eyes, nose, throat, ears, respiratory and gastric fluids, CSF, CAPD fluids, faeces, bone marrow, tissue.</p> <p>Skin, nails, hair</p> <p>Bacterial isolates cultured in-house</p>	<p><u>Microbiology examinations for the purpose of clinical diagnosis</u></p> <p>General isolation and characterisation of micro-organisms of clinical significance</p> <p>Determination of antimicrobial susceptibility</p>	<p>In-house documented procedures based on equipment manuals and follow current PHE SMIs as relevant</p> <p>Manual culture and microscopy using SOPs: CSF IS-MIC-SOP-18 CAPD IS-MIC-SOP-21 Fluids from normally sterile sites IS-MIC-SOP-21 MRSA/MSSA - IS-MIC-SOP31 Wound (Skin, superficial, non-surgical) IS-MIC-SOP34 Wound (pus and exudate) IS-MIC-SOP-5 Wound (tissue and biopsies) IS-MIC-SOP-7 Orthopaedic-implant associated infections IS-MIC-SOP-55 Wound (Mucosal) IS-MIC-SOP-9,11,16,19,20 Genital tract and associated specimen IS-MIC-SOP-32 Bronchoalveolar lavage, Sputum and associated specimens IS-MIC-SOP-40 Gram staining-IS-MIC-SOP29 Characterisation tests IS-MIC-SOP-37</p> <p>Mycology - IS-MIC-SOP-38</p> <p>Manual (EUCAST) by disc diffusion and gradient MIC using SOPs': EUCAST Disc Diffusion IS-MIC-SOP-51 MIC gradient test method IS-MIC-SOP-66</p>



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HUMAN BODY FLUIDS AND TISSUES	<u>Microbiology examinations for the purpose of clinical diagnosis</u>	In-house documented procedures based on equipment manuals and follow current PHE SMIs as relevant
Blood	Detection of microbial growth and general isolation of microorganisms of clinical significance.	BACTEC FX automated system using photometric fluorescent technology IS-MIC-SOP-41 IS-MIC-SOP-77
Urine	Detection of white blood cells, red blood cells, casts, epithelial cells, bacteria	Iris iQ Sprint urine analyser using digital imaging and particle counting IS-MIC-SOP-50
Urine	Culture, identification and susceptibility testing of urine pathogens	MAST Urisystem semi-automated system utilising multipoint technology and breakpoint methodology IS-MIC-SOP-75 IS-MIC-SOP-76
	Isolation of clinically significant organisms	Manual culture IS-MIC-SOP-35
Faeces	Detection of faecal ova, cysts and parasites	Manual concentration method and light microscopy using Parasitology IS-MIC-SOP-33
Faeces	Antigen detection of Cryptosporidium and Giardia lamblia	DS2 automated analyser. IS-MIC-SOP-70 IVD Research INC Giardia/Cryptosporidium Combo Stool Antigen Detection Microwell Confirmed by Alere Giardia/Cryptosporidium Quik Chek Lateral Flow device IS-MIC-SOP-74
Faeces	Antigen detection of rotavirus and adenovirus.	Pro Flow (ProLab) Lateral Flow device IS-MIC-SOP-48
Faeces	Detection of antigen of: H. pylori	DS2 automated analyser: IS-MIC-SOP-70
	C difficile GDH	Premier Platinum HpSA® PLUS IS-MIC-SOP-73 PREMIER® C.difficile GDH IS-MIC-SOP-71



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CSF	C difficile toxin AB	PREMIER® TOXINS A & B ELISA IS-MIC-SOP-72
	Enumeration of red and white blood cells	Manual method using modified Fuchs Rosenthal counting chamber IS-MIC-SOP-18
	<u>Molecular examinations for the purposes of clinical diagnosis.</u>	
Faeces	Gene detection of C. difficile toxin A/B	Cepheid GeneXpert PCR IS-MIC-SOP-82 IS-MIC-SOP-64
	Detection of Norovirus	IS-MIC-SOP63
Nasopharyngeal swabs	Detection of Influenza A/B	IS-VI-SOP-255
Swabs and CSF	Detection of DNA to the following:	PCR using SeePrep/Arrow extraction and ABI PRISM 7500 amplification. IS-VI-SOP-125 IS-VI-SOP-119
	Herpes simplex 1 Herpes simplex 2	Altona RealStar HSV PCR Kit IS-VI-SOP-158
	Varicella zoster	Altona RealStar HSV PCR Kit IS-VI-SOP-158 Altona RealStar VZV PCR Kit IS-VI-SOP-180
Swabs and CSF	Detection of RNA to the following: Influenza A & B	Altona RealStar Influenza S&T RT-PCR Kit 340 IS-VI-SOP-182
Vaginal, endocervical, throat, eye rectal and urine	Detection of DNA for Chlamydia trachomatis and Neisseria gonorrhoeae	PCR using COBAS 6800 analyser IS-VI-SOP-99 and 97
Serum	Detection and quantitation of RNA for Hepatitis C virus	PCR using COBAS 6800 analyser IS-VI-SOP-260



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HUMAN BODY FLUIDS AND TISSUES	<u>Serological examinations for the purposes of clinical diagnosis.</u>	In-house documented procedures based on equipment manuals and follow current PHE SMIs as relevant
Serum	Detection of the following: CMV IgG avidity CMV IgG CMV IgM Hepatitis A IgG Hepatitis A IgM Hepatitis B Surface Antigen Hepatitis B core IgG Hepatitis B core IgM Hepatitis B antibody Hepatitis C Antibody HIV ab/ag Rubella IgG Rubella IgM Toxoplasma IgG Toxoplasma IgM Syphilis IgG/IgM	CMEIA using Roche Cobas e601 analyser and IS-VI-SOP-240 IS-VI-SOP-241 IS-VI-SOP-242 IS-VI-SOP-249 IS-VI-SOP-248 IS-VI-SOP-256 IS-VI-SOP-253 IS-VI-SOP-257 IS-VI-SOP-258 IS-VI-SOP-250 IS-VI-SOP-252 IS-VI-SOP-246 IS-VI-SOP-247 IS-VI-SOP-243 IS-VI-SOP-245 IS-VI-SOP-251
Serum	Detection of the following: EBV VCA IgM	ELISA using DS2 automated analyser and IS-VI-SOP-193 Premier EBV VCA IgM IS-VI-SOP-45
Serum	Measles IgG	Virion/Serion Measles IgG IS-VI-SOP-59
Serum	Parvovirus B19 IgM	Serion ELISA Classic IgM IS-VI-SOP 285
Serum	Parvovirus B19 IgG	IS-VI-SOP-285 Serion ELISA Classic IgG
Serum	Pertussis	IS-VI-SOP-284 Virion/Serion Bordetella Pertussis
Serum	Varicella zoster IgG	Virion/Serion VZV IgG IS-VI-SOP-110



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Serum	Detection of non-specific antibodies to Treponema pallidum TPPA VDRL	Serodia-TPPA kit IS-VI-SOP-112 Axis Shield RPR Kit IS-VI-SOP-113
Urine	Detection of the following: Legionella pneumoniae antigen Strep pneumoniae antigen	Immunochromatographic assay using BINAX NOW IS-VI-SOP-106 IS-VI-SOP-107
Nasopharyngeal swab	Respiratory syncytial virus (RSV) antigen	IS-VI-SOP-117
	Hepatitis B Surface Antigen Hepatitis B core IgG Hepatitis B core IgM Hepatitis B antibody HIV 1 / 2 antibody/antigen detection Syphilis IgG/IgM antibodies	Documented in-housed methods to meet the requirements of the of Infectious Diseases in Pregnancy Screening programme as defined in the July 2018 'Infectious Diseases in Pregnancy Screening Programme: laboratory QA evidence requirements'
	<u>Immunology examinations for the purposes of clinical diagnosis</u>	cMEIA using Roche Cobas e601 analyser and IS-VI-SOP-240
Serum	Detection of the following: Anti-streptolysin O antibodies	In-house documented procedures based on equipment manuals and follow current PHE SMIs as relevant Optilite automated analyser using turbidimetry and IS-VI-SOP-261 IS-VI-SOP-280
Serum	Beta 2 Microglobulin	IS-VI-SOP-281
Serum	C3 & C4 concentration	IS-VI-SOP-278



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Serum	IgG,A,M (Immunoglobulins)	IS-VI-SOP-277
Serum	Rheumatoid factor	IS-VI-SOP-279
Serum/urine	Quantitation of free light chains	IS-VI-SOP-283
Serum	Detection of cryoglobulin	Manual method using SOP IS-VI-SOP-152
Serum, plasma		DS2 automated ELISA analyser using IS-VI-SOP-193
Serum, plasma	Detection of the following: Cardiolipin autoantibodies (IgG)	Organtec Cardiolipin IgG IS-VI-SOP-9
	Detection of the following:	DS2 automated ELISA analyser using IS-VI-SOP-193
Serum, plasma	Tissue Transglutaminase (tTG) IgA autoantibodies	Organtec TTG IgA IS-VI-SOP-150
Serum, plasma	Intrinsic factor autoantibodies	Organtec Anti-Intrinsic Factor IS-VI-SOP-234
Serum	Haemophilus influenzae type B antibodies (IgG)	The Binding Site IS-VI-SOP-6
Serum	Pneumococcal vaccine antibodies (PPV23) (IgG)	The Binding Site IS-VI-SOP-1
Serum	Tetanus vaccine antibodies (IgG)	The Binding Site IS-VI-SOP-7
Serum	Detection of the following:	Manual ELISA using the following kits:
Serum	Glutamic acid decarboxylase (GAD) autoantibodies (IgG)	Euroimmun GAD ELISA IS-VI-SOP-192
	Detection of the following:	iPro immunofluorescence processor and IS-VI-SOP-194



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Serum	Anti-nuclear antibody & liver autoantibody screen + titre	Euroimmun Mosaic Basic Profile 3C IFT Slides IS-VI-SOP-4
Serum	Avian immunofluorescence (IFA) titre	Eurommun Pigeon Intestine IFT Slides IS-VI-SOP-95
Serum	Gastric parietal cell autoantibodies (GPC)	Euroimmun Mosaic Basic Profile 3C IFT Slides IS-VI-SOP-4
	Immunofluorescence detection of:	iPRO Immunofluorescence processor
Serum	Anti-neutrophil cytoplasmic antibodies (ANCA) and Titre	ANCA Titre Indirect Immunofluorescence IS-VI-SOP-96
Serum	Endomysial (IgA)	Anti Endomysial Indirect Immunofluorescence IS-VI-SOP-3
Serum	Anti-nuclear antibody & liver autoantibody screen + titre	Anti-nuclear antibody & liver autoantibody screen + titre IS-VI-SOP-4
		Manual immunofluorescence using
Serum	Crithidia (Double Stranded DNS Antibodies) (IgG)	Novalite ds Crithidia lucilliae IS-VI-SOP-2
Serum	Islet cell autoantibodies (IgG)	Novalite ICA Primate Pancreas IS-VI-SOP-214
Serum	Endomysial (IgA)	Novalite Monkey Oesophagus IFA IS-VI-SOP-3



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HUMAN BODY FLUIDS AND TISSUES	<u>Immunology examinations for the purposes of clinical diagnosis</u>	In-house documented procedures based on equipment manuals and follow current PHE SMIs as relevant
Serum	Detection of the following autoantibodies:	Immunoblot using EUROBlotmaster and SOPs
Serum	Liver Screen (IgG) (Anti-M2, M2-3E(BPO), Sp100, PML, Gp210, LKM-1, LC-1, SLA/LP & Ro52)	Euroimmun Profile Autoimmun Liver Disease Euroline IS-VI-SOP-212
Serum	Myositis Screen (IgG) (Mi-2 α , Mi-2 β , TIF1 γ , MDA5, NXP2, SAE1, Ku, PM-Scl100, PM-Scl75, Jo-1, SRP, PL-7, PL-12, EJ, OJ, Ro-52 and cN-1A)	Euroimmun Myositis Profile 16AgEuroline IS-VI-SOP-206
Serum	Systemic Sclerosis Screen (IgG) (Anti-Scl70, CENP-A, CENP-B, RP11, RP155, Fibrillarin, NOR-90, Th/To, PM-Scl, Ku, PDGF-R & Ro52)	Euroimmun Systemic Sclerosis Euroline IS-VI-SOP-207
Serum	Extended ANA Screen (IgG) (Mi-2, Ku, nRNP/Sm, Sm, SS-A, Ro-52, SS-B, Scl-70, PM-Scl100, Jo-1, CENP B, PCNA, dsDNA, nucleosomes, histones, ribosomal P-protein, AMA-M2 and DFS70)	Euroimmun ANA Profile et Mi-2 Euroline IS-VI-SOP-208
Serum	Detection of the following: Aspergillus precipitating antibodies	Manual CCIE precipitation using: Microgen Aspergillus Kit (somatic & filtrate antigen) IS-VI-SOP-159
Serum	Avian precipitating antibodies (Pigeon and Budgie serum/faeces, Fowl serum)	Microgen Avian Allergens Kit IS-VI-SOP-171
Serum	Farmers' Lung precipitating antibodies (M.faeni)	Microgen M.faeni Kit IS-VI-SOP-159
Serum	IgG, IgA, IgM, IgD, IgE, Kappa, Lambda	Serum immunofixation using Sebia Hydrasys 2 IS-VI-SOP-244
Urine	Electrophoresis	Urine immunofixation using Sebia Hydrasys 2 IS-VI-SOP-244



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Urine	Immunofixation of GAM, K free, L free, Kappa, Lambda	Urine immunofixation using Sebia Hydrasys 2 IS-VI-SOP-244
Serum	Electrophoretic separation and quantitation of paraprotein	Electrophoretic separation of protein using Sebia Capillarys 2 Flex IS-VI-SOP-254
Serum	Tissue Transglutaminase (tTG) IgG autoantibodies	Phadia 250 analyser using FEIA IS-VI-SOP-139
Serum	Beta 2 glycoprotein 1 autoantibodies (IgG)	IS-VI-SOP-262
Serum	CCP autoantibodies (IgG)	IS-VI-SOP-165
Serum	dsDNA autoantibodies (IgG)	IS-VI-SOP-10
Serum	ENA symphony screen includes Ro (52/60), La, Sm D ₃ , U1-RNP, CENP-B, Jo1, Scl70 (IgG)	IS-VI-SOP-147
Serum	ENA profile: Ro (combined 52/60 and individual antigens) La, SmD _P , U1RNP, CENP-B, Jo1, Scl-70 (IgG)	IS-VI-SOP-264
Serum	GBM autoantibodies (IgG)	IS-VI-SOP-178
Serum	Myeloperoxidase (MPO) autoantibodies (IgG)	IS-VI-SOP-265
Serum	Proteinase 3 (PR3) autoantibodies (IgG)	IS-VI-SO9-265
Serum	Quantification of total IgE	IS-VI-SOP-265
Serum	Quantification of Mast Cell Tryptase	IS-VI-SOP-263
		IS-VI-SOP-154



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HUMAN BODY FLUIDS AND TISSUES	<u>Immunology examinations for the purposes of clinical diagnosis</u>	In-house documented procedures based on equipment manuals and follow current PHE SMIs as relevant
Serum	<p>Detection of specific IgG to the following antigens:</p> <p>Alternaria alternata specific IgG (ImmunoCAP IgG m6) Aspergillus fumigatus specific IgG (ImmunoCAP IgG m3) Aspergillus flavus specific IgG (ImmunoCAP IgG m228) Aspergillus niger specific IgG (ImmunoCAP IgG m207) Aspergillus terreus specific IgG (ImmunoCAP IgG m36) Budgerigar specific IgG (ImmunoCAP IgG Ge90) Candida specific IgG (ImmunoCAP IgG m5) Cephalosporium (Acremonium kiliense) specific IgG (ImmunoCAP IgG m202) Cladosporium specific IgG (ImmunoCAP IgG m2) Micropolyspora faeni specific IgG (ImmunoCAP IgG Gm22) Fusarium specific IgG (ImmunoCAP IgG m9) Parrot Mix specific IgG (ImmunoCAP IgG Ge92) Penicillium chrysogenum specific IgG specific IgG (ImmunoCAP IgG m1) Penicillium glabrum (ImmunoCap M209) Pigeon serum specific IgG (ImmunoCAP IgG Ge93) Rhizopus nigricans (ImmunoCap IgG M11) Stachybotrys atra IgG (ImmunoCAP IgG Gm24) Thermoactinomyces vulgaris IgG (ImmunoCAP IgG Gm23)</p>	<p>Phadia 250 analyser using FEIA IS-VI-SOP-139</p> <p>IS-VI-SOP-177</p>



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HUMAN BODY FLUIDS AND TISSUES	<u>Immunology examinations for the purposes of clinical diagnosis</u>	In-house documented procedures based on equipment manuals as relevant
Serum	<p>Detection of specific IgE to the following antigens:</p> <p>Almond (RAST f20) Alternaria alternata (RAST m6) Apple (RAST f49) Aspergillus flavus (RAST m228) Aspergillus fumigatus (RAST m3) Aspergillus niger (RAST m207) Aspergillus terreus (RAST m36) Aspergillus mix (RAST mx4) Banana (RAST f92) Brazil nut (RAST f18) Candida (RAST m5) Cashew nut (RAST f202) Cat dander (RAST e1) Celery (RAST f85) Cheese (cheddar type) (RAST f81) Cladosporium (RAST m2) Cocoa (cacao) (RAST f93) Coconut (RAST f36) Cow's milk (RAST f2) Cow's milk casein Bos d8 (RAST f78) Crab (RAST f23) Dog dander (RAST e5) Egg (Hen's) ovomucoid Gal d1 (RAST f233) Egg white (Hen's) (RAST f1) Egg yolk (Hen's) (RAST f75) Feather mix 71 (goose, chicken, duck, turkey) (RAST ex71) Feather mix 72 (budgerigar, canary, parakeet, parrot, finch) (RAST ex72) Fish (cod) (RAST f3) Fish Mix (cod, shrimp, blue mussel, tuna) (RAST fx2) Gluten (RAST f79)</p>	<p>Phadia 250 analyser using FEIA IS-VI-SOP-139</p> <p>IS-VI-SOP-263</p>



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Serum	Grass pollen mix (cocksfoot, meadow fescue, rye-grass, timothy grass, meadow grass – Kentucky blue) (RAST gx1) Guinea Pig (RAST e6) Hay dust - storage (grain/flour) mite (Acarus siro) (RAST d70) Hazelnut (RAST f17) Honey Bee venom (RAST i1) Horse dander (RAST e3) House dust mite (RAST d1) Kiwi fruit (RAST f84) Latex (RAST k82) Mould mix 1 (Penicillium chrysogenum, Cladosporium herbarum, Aspergillus fumigatus) (RAST mx1) Mould mix 4 (A.fumigatus, A.niger, A.terreus, A.flavus) (RAST mx4) Mussel (blue) (RAST f37) Nut Mix 1 (Peanut, Hazel nut, Brazil nut, Almond, Coconut) (RAST fx1) Nut Mix 2 (Pecan nut, Cashew nut, Pistachio, Walnut) (RAST fx22) Orange (RAST f33) Peanut (RAST f13) Peanut rAra h 1 (RAST f422) Peanut rAra h 2 (RAST f423) Peanut rAra h 3 (RAST f424) Peanut rAra h 8 PR10 (RAST f352) Peanut rAra h 9 nsLTP (RAST f427) Pecan nut (RAST f201)	IS-VI-SOP-263



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<p>HUMAN BODY FLUIDS AND TISSUES</p>	<p><u>Immunology examinations for the purposes of clinical diagnosis</u></p> <p>Penicilloyl G (RAST c1) Penicilloyl V (RAST c2) Pine nuts (RAST f253) Pistachio (RAST f203) Rabbit Fur (RAST e82) Salmon (RAST f41) Sesame seed (RAST f10) Shrimp Mix (Pandalus borealis, Penaeus monodon, Metapenaeopsis barbata, Metapenaeus joyneri) (RAST f24), Silver Birch pollen (RAST t3) Soybean (RAST f14) Strawberry (RAST f44) Tomato (RAST f25) Tree pollen mix (Box-elder, Silver Birch, Oak, Elm, Walnut)(RAST tx1) Tuna (RAST f40) Walnut (RAST f256) Wasp venom (RAST i3) Weed pollen mix (Mugwort, Plantain (Ribwort), goosefoot, golder rod, nettle) (RAST wx3) Wheat (RAST f4) Wheat Omega 5 gliadin Tri a 19 (RAST f98)</p>	<p>In-house documented procedures based on equipment manuals as relevant</p>



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<p>HUMAN BODY FLUIDS AND TISSUES</p> <p>Fixed and fresh tissue</p> <p>In house preparations of tissue sections</p>	<p><u>Histological examinations for the purposes of clinical diagnosis.</u></p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of clinical diagnosis.</p> <p>Detection of the following:</p> <p>Basophilic and eosinophilic structures</p> <p>Detection of the following:</p> <p>Acid mucopolysaccharides</p> <p>Acid mucins, Neutral mucins, glycoproteins, proteoglycans, hyaluronic acid, glycogen</p> <p>Amyloid</p> <p>Reticulin Fibres</p> <p>Gram positive and negative bacteria</p> <p>Fungi</p> <p>Calcium</p>	<p>In-house documented procedures based on equipment manual as relevant</p> <p>Tissue processing using the following machines: Leica ASP6025, CS-HIS-SOP-211</p> <p>Tissue embedding using: Leica EG 1160CS-HIS-SOP-110 Leica Arcadia CS-HIS-SOP-217</p> <p>Tissue sectioning using manual and automated microtomes and CS-HIS-SOP-72</p> <p>Leica XL autostainer using CS-HIS-SOP-94 and Leica CV5030 coverslipper using CS-HIS-SOP-177</p> <p>H&E staining using CS-HIS-SOP-189</p> <p>Manual staining methods:</p> <p>Alcian blue CS-HIS-SOP-20</p> <p>Alcian blue and PAS using CS-HIS-SOP-46</p> <p>Congo red using CS-HIS-SOP-180</p> <p>Gordon & Sweets Reticulin Silver using CS-HIS-SOP-35</p> <p>Gram's stain using CS-HIS-SOP-37</p> <p>Grocott stain using CS-HIS-SOP-28</p> <p>Von Kossa stain using CS-HIS-SOP-53</p>



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Schedule of Accreditation
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United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

North Cumbria Integrated Care NHS Foundation Trust

Issue No: 011 **Issue date:** 11 October 2021

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<p>HUMAN BODY FLUIDS AND TISSUES</p> <p>In house preparations of tissue sections</p>	<p><u>Histological examinations for the purposes of clinical diagnosis.</u></p> <p>Detection of the following:</p> <p>Helicobacter</p> <p>Elastin</p> <p>Neutral mucins, basement membranes, fungi, glycogen</p> <p>Neutral mucins, basement membranes, fungi,</p> <p>Haemosiderin</p> <p>Spirochetes and other microorganisms</p> <p>Mycobacteria</p> <p><u>Immunocytochemistry staining to detect the following:</u></p> <p>Smooth muscle cells, Myofibroblasts, Myoepithelial cells</p> <p>Neoplastic liver disease, yolk sac tumours, mixed germ cell tumours</p> <p>Follicular lymphoma classification</p> <p>B-cells</p>	<p>In-house documented procedures based on equipment manual as relevant</p> <p>Leica XL autostainer using CS-HIS-SOP-94 and Leica CV5030 coverslipper using CS-HIS-SOP-177</p> <p>Toluidine blue in Sorrenson buffer CS-HIS-SOP-25</p> <p>Millers Elastic van Gieson using CS-HIS-SOP-161</p> <p>Periodic acid Schiffs stain using CS-HIS-SOP-76</p> <p>Periodic acid Schiffs Diatase using CS-HIS-SOP-77</p> <p>Perls Prussian Blue using CS-HIS-SOP-126</p> <p>Warthin Starry using CS-HIS-SOP-36</p> <p>ZN stain using CS-HIS-SOP-38</p> <p>Leica Bond III Immuno-stainer using CS-HIS-SOP- 232 and Leica CV5030 coverslipper using CS-HIS-SOP-177, CS-HIS-SOP-218,220,221,222,224,225,226 and the following antibodies:</p> <p>Actin</p> <p>AFP</p> <p>BCL2</p> <p>BL26</p>



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HUMAN BODY FLUIDS AND TISSUES	<p><u>Histological examinations for the purposes of clinical diagnosis.</u></p> <p><u>Immunocytochemistry staining to detect the following:</u></p> <p>Reed Sternberg cells</p> <p>Gastric, pancreatic and colonic adenocarcinoma</p> <p>Ovarian cancer</p> <p>Mesothelial cells</p> <p>T-cells</p> <p>B and T cells</p> <p>B cells</p> <p>Normal Intestinal epithelium</p> <p>Adenocarcinomas of colon, stomach, lung and breast</p> <p>Adenocarcinomas of colon, stomach, lung and breast</p> <p>Epithelial cells</p> <p>Normal and abnormal gastric and intestinal epithelium, urothelium and Merkel cells</p> <p>Epithelial cells</p> <p>Stratified squamous epithelia</p> <p>Basal layer of stratified squamous and non-squamous epithelia</p>	<p>In-house documented procedures based on equipment manual as relevant</p> <p>Leica Bond III Immuno-stainer using CS-HIS-SOP- 232 and Leica CV5030 coverslipper using CS-HIS-SOP-177, CS-HIS-SOP-218,220,221,222,224,225,226 and the following antibodies:</p> <p>BERH2 (CD30)</p> <p>CA19.9</p> <p>CA125</p> <p>CALRETININ</p> <p>CD3</p> <p>CD5</p> <p>CD10</p> <p>CDX2</p> <p>CEAM</p> <p>CEAP</p> <p>CKAE13</p> <p>CK20</p> <p>CKMNF</p> <p>CK5/6</p> <p>CK14</p>



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HUMAN BODY FLUIDS AND TISSUES	<p><u>Histological examinations for the purposes of clinical diagnosis.</u></p> <p><u>Immunocytochemistry staining to detect the following:</u></p> <p>Ductal, glandular and non-keratinising epithelia</p> <p>Basal cells and squamous epithelium</p> <p>c-kit oncoprotein</p> <p>Chromogranin A protein in neuronal and endocrine tissues</p> <p>Lymphoid tumour cells</p> <p>Cyclin D1 protein expression in breast and bladder tumours and lymphomas</p> <p>Smooth and striated muscle cells</p> <p>Epithelial membrane antigen in glandular epithelia</p> <p>Normal epithelial tissues</p> <p>Normal epithelial tissues</p> <p>Oestrogen receptor</p> <p>Human chorionic gonadotrophin producing cells</p> <p>Melanocytic cells</p> <p>ki-67 antigen in normal and neoplastic cells</p> <p>Identifies breast carcinomas and urothelial carcinomas</p>	<p>In-house documented procedures based on equipment manual as relevant</p> <p>Leica Bond III Immuno-stainer using CS-HIS-SOP- 232 and Leica CV5030 coverslipper using CS-HIS-SOP-177, CS-HIS-SOP-218,220,221,222,224,225,226 and the following antibodies:</p> <p>CK19</p> <p>CK34BE</p> <p>CKIT</p> <p>CHRG</p> <p>CLA</p> <p>CYCLIN D1</p> <p>DESMIN</p> <p>EMA</p> <p>EP4</p> <p>ECAD</p> <p>ER</p> <p>HCG</p> <p>HMB45</p> <p>KI67</p> <p>GATA-3</p>



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HUMAN BODY FLUIDS AND TISSUES	<u>Histological examinations for the purposes of clinical diagnosis.</u>	In-house documented procedures based on equipment manual as relevant
	<u>Immunocytochemistry staining to detect the following:</u>	Leica Bond III Immuno-stainer using CS-HIS-SOP- 232 and Leica CV5030 coverslipper using CS-HIS-SOP-177, CS-HIS-SOP-218,220,221,222,224,225,226 and the following antibodies:
	HPV driven tumour	P16
	Macrophages	KP1
	Melanocytic cells	MELA
	Neuroectodermal cells	NCAM
	p53 protein in normal and neoplastic cells	P53
	p63 protein in normal and neoplastic cells	P63
	Cells expressing prostate specific antigen	PSA
	Endothelial cells	QBEN10
	Neuroectodermal cells	S100
	Smooth muscle cells	SMM
	Neuroectodermal cells	SYNAPTO
Thyroid transcription factor - 1 protein in normal and neoplastic tissues	TTF1	
Cells of mesenchymal origin in normal and neoplastic tissues	VIMENTIN	



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<p>HUMAN BODY FLUIDS AND TISSUES</p> <p>Bronchial washings, urine, CSF, Sputum, clot, fluids, FNA</p>	<p><u>Histological examinations for the purposes of clinical diagnosis.</u></p> <p><u>Immunocytochemistry staining to detect the following:</u></p> <p>Wilm's tumour protein in proliferative mesothelial cells, mesothelioma, ovarian cystadenocarcinoma, gonadoblastoma, nephroblastoma, desmoplastic small round cell tumour</p> <p>Examination of cellular material in order to identify or exclude morphological and cytological abnormalities.</p>	<p>In-house documented manual procedures using</p> <p>Leica Bond III Immuno-stainer using CS-HIS-SOP- 232 and Leica CV5030 coverslipper using CS-HIS-SOP-177, CS-HIS-SOP-218,220,221,222,224,225,226 and the following antibodies:</p> <p>WT1</p> <p>CS-HIS-SOP-5 Cytocentrifuge, CS-HIS-SOP-94 XL Stainer, CS-HIS-SOP-177 Leica Coverslipper, CS-HIS-SOP-83 Microscopes. CS-HIS-SOP-238 Specimen preparation respiratory samples CS-HIS-SOP-21 Urine CS-HIS-SOP-22 CSF CS-HIS-SOP-26 Body fluids CS-HIS-SOP-82 Clot CS-HIS-SOP-42 FNA</p>
END		