


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> MEDICAL</p> <p><b>8082</b></p> <p>Accredited to ISO 15189:2012</p>	<h3>Hampshire Hospitals NHS Foundation Trust</h3> <p><b>Issue No: 022    Issue date: 27 August 2024</b></p>	
	<p><b>Pathology</b>  <b>Basingstoke &amp; North Hampshire Hospital</b>  <b>Aldermaston Road</b>  <b>Basingstoke</b>  <b>RG24 9NA</b></p>	<p><b>Contact: Eloise Clarke</b>  <b>Tel: +44 (0) 1256 262119</b>  <b>E-Mail: <a href="mailto:eloise.clarke@hhft.nhs.uk">eloise.clarke@hhft.nhs.uk</a></b>  <b>Website: <a href="http://www.hampshirehospitals.nhs.uk">www.hampshirehospitals.nhs.uk</a></b></p>
<p><b>Testing performed by the Organisation at the locations specified below</b></p>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details		Activity	Location code
Haematology & Blood Transfusion Basingstoke & North Hampshire Hospital Level B, Aldermaston Road Basingstoke RG24 9NA	<b>Local contact</b> Karen Harrison	Blood Transfusion Blood Transfusion Issue Fridge Coagulation Haematology	BNHH
Biochemistry Basingstoke & North Hampshire Hospital Level B, Aldermaston Road Basingstoke RG24 9NA	<b>Local contact</b> Karen Harrison	Biochemistry Immunology	BNHH
Cellular Pathology Basingstoke and North Hampshire Hospital Aldermaston Road Basingstoke RG24 9NA	<b>Local contact</b> Jeff Morrison	Diagnostic cytology (receipt and reporting only) Frozen section Histopathology reporting OSNA Pathologist and BMS cut up	BNHH
Microbiology Basingstoke & North Hampshire Hospital Level A, Aldermaston Road Basingstoke RG24 9NA	<b>Local contact</b> Helen Denman	Microbiology Molecular Mycology Serology	BNHH
Haematology & Blood Transfusion Royal Hampshire County Hospital Romsey Road Winchester SO22 5DG	<b>Local contact</b> Karen Harrison	Blood Transfusion Blood Transfusion Issue Fridge Coagulation Haematology	RHCH
Biochemistry Royal Hampshire County Hospital Romsey Road Winchester SO22 5DG	<b>Local contact</b> Karen Harrison	Biochemistry	RHCH
Cellular Pathology Royal Hampshire County Hospital Romsey Road Winchester SO22 5DG	<b>Local contact</b> Jeff Morrison	Diagnostic cytology Frozen sections Immunocytochemistry OSNA Routine Histology	RHCH



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Location details	Activity	Location code
BMI Healthcare Basing Road Old Basing Basingstoke RG24 7AL	<b>Local contact</b> Karen Harrison	BMIHC
BMI Healthcare Sarum Road Hospital Winchester	<b>Local contact</b> Karen Harrison	BMISRH



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	Documented in-house procedures and manufacturer's instructions	
Serum, Lithium Heparin Plasma	Alkaline Phosphatase isoenzymes	Documented in-house procedures and manufacturer's instructions Sebia Hydrasys Electrophoresis LP-BIO-APIS	BNHH
Serum, Lithium Heparin Plasma	Light Chains	Documented in-house procedures and manufacturer's instructions Binding Site Spa Plus Immunoturbidimetric LP-BIO-OPTILITE	BNHH
Serum, Lithium Heparin Plasma, Urine	Osmolality	Documented in-house procedures and manufacturer's instructions Advanced Instruments Osmometer LP-BIO-MSOSMO	BNHH
Serum, Lithium Heparin Plasma, Urine	Protein Electrophoresis – detection of normal and abnormal electrophoretic pattern	Documented in-house procedures and manufacturer's instructions Sebia Capillarys Electrophoresis LP-BIO-CAPILLARYS	BNHH
Serum, Lithium Heparin Plasma, Urine	Protein Immunofixation/ Immunotyping – quantitation of paraprotein type	Documented in-house procedures and manufacturer's instructions Sebia Capillarys and Sebia Hydrasys Electrophoresis LP-BIO-MINICAP, LP-BIO-MSSEBIA	BNHH
Sweat only	Sweat Tests	Documented in-house procedures and manufacturer's instructions Westcor Ionophoresis and Conductivity LP-BIO-MSSWEAT	BNHH
CSF only	Xanthochromia	Documented in-house procedures and manufacturer's instructions Shimadzu Spectrophotometric LP-BIO-XANTH	BNHH



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures and manufacturer's instructions	
	Quantification of:	Documented in-house procedures and manufacturer's instructions for Phadia Immunocap 250 LP-BIO-1250IMMUNOCAP Elisa method	BNHH
Serum, Plasma	Extractable Antinuclear Antigen Screen	Phadia Immunocap 250 LP-BIO-1250IMMUNOCAP Elisa method	BNHH
Serum, Plasma	IgG to Aspergillus	Phadia Immunocap 250 LP-BIO-1250IMMUNOCAP Elisa method	BNHH
	Quantification of:	Documented in-house procedures and manufacturer's instructions for Roche E801 – Electrochemiluminescence Immunoassay LP-BIO-8000OP	BNHH
Serum, Plasma	25 Hydroxy Vitamin D		
Serum, Plasma	Alpha-fetoprotein		
Serum, Plasma	Anti-CCP		
Serum, Plasma	Anti-thyroid peroxidase antibodies		
Serum, Plasma	B12		
Serum, Plasma	CA125		
Serum, Plasma	CA15-3		
Serum, Plasma	CA 19-9		
Serum, Plasma	CEA		
Serum, Plasma	Cortisol		
Serum, Plasma	Digoxin		
Serum, Plasma	Ferritin		
Serum, Plasma	Folate		
Serum, Plasma	FSH		
Serum, Plasma	HCG (Non-Downs)		
Serum, Plasma	LH		
Serum, Plasma	Macroprolactin		
Serum, Plasma	Nt Pro BNP		
Serum, Plasma	Oestrodial		
Serum, Plasma	Procalcitonin		
Serum, Plasma	Progesterone		



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis.</u> (cont'd)	Documented in-house procedures and manufacturer's instructions	BNHH
Serum, Plasma Serum, Plasma ETDA Plasma Only Serum, Plasma Serum, Plasma Serum, Plasma Serum, Plasma Serum, Plasma Serum, Plasma	Quantification of: (cont'd)  Prolactin PSA (Total) PTH SHBG T3 (Free) T4 (Free) Testosterone Troponin T TSH (Routine)	Documented in-house procedures and manufacturer's instructions for Roche E801 – Electrochemiluminescence Immunoassay LP-BIO-8000OP	
Serum/Plasma unless otherwise stated	Quantification of:  CA19.9 Cortisol Digoxin Ferritin Folate HCG (Non-Downs) Procalcitonin Progesterone Troponin T Vitamin B12 Vitamin D	Documented in-house procedures and manufacturer's instructions with specific reference Roche E801 LP-BIO-8000OP Electrochemiluminescence immunoassay	RHCH
Urine and Blood	Osmolality	VTech Manufacturers Analyser: Osmometer LP-CHE-MSOSMO	RHCH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures and manufacturer's instructions	BNHH
	Quantification of:	Documented in-house procedures and manufacturer's instructions for Roche Cobas c702 LP-BIO-8000OP	
Serum, Plasma and Urine	Albumin	Immunoturbidimetric assay	
Serum, Plasma	Alcohol (ethanol)	Spectrophotometric	
Serum, Plasma	Alkaline Phosphatase	Spectrophotometric	
Serum, Plasma	Alpha 1 antitrypsin	Immunoturbidimetric assay	
Serum, Plasma	ALT	Spectrophotometric	
Plasma EDTA	Ammonia	Spectrophotometric	
Serum, Plasma	Amylase	Spectrophotometric	
Serum, Plasma	AST	Spectrophotometric	
Serum, Plasma	B2M	Immunoturbidimetric assay	
Serum, Plasma	Bicarbonate	Spectrophotometric	
Serum, Plasma	Bile Acids	Spectrophotometric	
Serum, Plasma	Bilirubin (Conjugated)	Spectrophotometric	
Serum, Plasma	Bilirubin (Total)	Spectrophotometric	
Serum, Plasma and Urine	Calcium	Spectrophotometric	
Serum, Plasma	Cholesterol	Spectrophotometric	
Serum, Plasma and Urine	Chloride	Indirect ISE	
Serum non-gel, Plasma	Complement C3	Immunoturbidimetric assay	
Serum non-gel, Plasma	Complement C4	Immunoturbidimetric assay	
Serum, Plasma and Urine	Creatinine	Enzymatic	
Serum, Plasma	C-Reactive Protein	Particle-enhanced immunoturbidimetric assay	
CSF Fluoride Oxalate Only	CSF Glucose	Spectrophotometric	
CSF	CSF Protein	Spectrophotometric	
Serum, Plasma	Gamma Glutamyl Transferase	Spectrophotometric	
Serum, Plasma	Gentamicin	EMIT	
Fluoride Oxalate Plasma Only and Urine	Glucose	Spectrophotometric	
Serum, Plasma	HDL	Spectrophotometric	
Serum, Plasma	IgA	Immunoturbidimetric assay	
Serum, Plasma	IgG	Immunoturbidimetric assay	
Serum, Plasma	IgM	Immunoturbidimetric assay	
Serum, Plasma	Iron	Spectrophotometric	
Fluoride Oxalate Plasma Only	Lactate	Spectrophotometric	
Serum, Plasma	LDH	Spectrophotometric	
Serum, Plasma	Lithium	Spectrophotometric	
Serum, Plasma and Urine	Magnesium	Spectrophotometric	



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis.</u> (cont'd)	Documented in-house procedures and manufacturer's instructions	BNHH
	Quantification of: (cont'd)	Documented in-house procedures and manufacturer's instructions for Roche Cobas c702 LP-BIO-8000OP	
Serum, Plasma	Paracetamol	Spectrophotometric	BNHH
Serum, Plasma	Phenobarbitone	EMIT	
Serum, Plasma	Phenytoin	EMIT	
Serum, Plasma and Urine	Phosphate	Spectrophotometric	
Serum, Plasma and Urine	Potassium	Indirect ISE	
Serum, Plasma	RF	Immunoturbidimetric assay	
Serum, Plasma	Salicylate	Spectrophotometric	
Serum, Plasma and Urine	Sodium	Indirect ISE	
Serum, Plasma and Urine	Total Protein	Spectrophotometric	
Serum, Plasma	Transferrin	Immunoturbidimetric assay	
Serum, Plasma	Theophylline	EMIT	
Serum, Plasma	Triglyceride	Spectrophotometric	
Serum, Plasma and Urine	Urea	Spectrophotometric	
Serum, Plasma and Urine	Uric acid	Spectrophotometric	
Serum, Plasma	Valproate	EMIT	
Serum, Plasma	Vancomycin	EMIT	
	Quantification of:	Documented in-house procedures and manufacturer's instructions	
		Roche Cobas c702 module LP-BIO-8000OP	
Urine	Albumin	Immunoturbidimetric	
Urine and blood	Albumin	Spectrophotometric	
Serum/Plasma	Alcohol (Ethanol)	Spectrophotometric	
Serum/Plasma	Alkaline phosphatase	Spectrophotometric	
Serum/Plasma	ALT	Spectrophotometric	
Serum/Plasma	Ammonia	Spectrophotometric	
Urine and blood	Amylase	Spectrophotometric	
Serum/Plasma	AST	Spectrophotometric	
Serum/Plasma	Bicarbonate	Spectrophotometric	
Serum/Plasma	Bile Acids	Spectrophotometric	
Serum/Plasma	Bilirubin (Total)	Spectrophotometric	
Serum/Plasma	Calcium	Spectrophotometric	
Serum/Plasma	Cholesterol	Spectrophotometric	
Blood and urine	Chloride	Indirect ISE	
Serum/Plasma	CK (Creatine Kinase)	Spectrophotometric	



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis.</u> (cont'd)	Documented in-house procedures and manufacturer's instructions	RHCH
	Quantification of: (cont'd)	Documented in-house procedures and manufacturer's instructions Roche Cobas c702 module LP-BIO-8000OP	
Blood	C-Reactive Protein	Immunoturbidometric	
Urine	Creatinine	Enzymatic	
Serum/Plasma	Creatinine	Spectrophotometric	
CSF	CSF Protein	Spectrophotometric	
Serum/Plasma	Direct Bilirubin	Spectrophotometric	
Serum/Plasma	Gamma Glutamyl Transferase	Spectrophotometric	
Serum/Plasma	Gentamicin	Spectrophotometric	
Serum/Plasma	Glucose	Spectrophotometric	
Serum/Plasma	HDL	Spectrophotometric	
Serum/Plasma	Iron	Spectrophotometric	
Serum/Plasma	Lactate	Spectrophotometric	
Serum/Plasma	LDH	Spectrophotometric	
Serum/Plasma	Lithium	Spectrophotometric	
Urine and Blood	Magnesium	Spectrophotometric	
Serum/Plasma	Paracetamol	Spectrophotometric	
Urine and Blood	Phosphate	Spectrophotometric	
Blood and urine	Potassium	Indirect ISE	
Serum/Plasma	Salicylate	Spectrophotometric	
Blood and urine	Sodium	Indirect ISE	
Urine and Blood	Teicoplanin	Spectrophotometric	
Urine and Blood	Total Protein	Spectrophotometric	
Serum/Plasma	Triglyceride	Spectrophotometric	
Blood	Transferrin	Immunoturbidometric	
Urine and Blood	Urea	Spectrophotometric	
Blood and Urine	Uric Acid	Spectrophotometric	





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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures and manufacturer's instructions	
Serum/Plasma unless otherwise stated	Quantification of:  Anti-ccp Anti-dsDNA antibodies Anti-Glomerular Basement Membrane antibodies Anti-myeloperoxidase antibodies Anti-proteinase 3 antibodies Coeliac Screen by immunoassay for TTG Connective tissue Disease antibody screen	Documented in-house procedures and manufacturer's instructions Werfen Analyser; Bioflash Chemiluminescence LP-BIO-Bioflash	BNHH
EDTA plasma	<u>General Blood Transfusion</u>  Antibody panels Antigens of the following systems: Duffy –Fy <sup>a</sup> , Fy <sup>b</sup> Kell – K, K, Kpa Kidd – JK <sup>a</sup> , Jk <sup>b</sup> Lewis – Le <sup>a</sup> , Le <sup>b</sup> Lutheran – Lu <sup>a</sup> MNSs M, N, S, s P – P1 Rh – C,D,E,c,e, C <sup>w</sup>	Documented in-house procedures with manufacturer's instructions.  LP-TRA-IBGPAN & NHSBT using Immucor Neo/Echo analysers and BioRad Gel cards  LP-TRA-IBGPAN & NHSBT using Bio-Rad IH-500 analyser and immunohematological gel card technologies	BNHH  RHCH



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HUMAN BODY FLUIDS (cont'd)	<u>General Blood Transfusion (cont'd)</u>	Documented in-house procedures with manufacturer's instructions.	
EDTA whole blood	Blood Groups ABO and RhD systems: AB Rh D Negative AB Rh D Positive A Rh D Positive A Rh Negative B Rh D Positive B RhD Negative O Rh D Negative O Rh D Positive	LP-TRA-ECHOUSE & NEOUSE using Immucor Neo/Echo analysers, tube grouping, BioRad gel card  LP-TRA-IH500USE using Bio-Rad IH-500 analyser and immunohematological gel card technologies	BNHH  RHCH
EDTA whole blood	DCT	LP-TRA-ECHOUSE, NEO-USE & LP-TRA-DCT using Immucor Neo/Echo analysers and BioRad Gel cards  LP-TRA-DCT using Bio-Rad IH-500 analyser and immunohematological gel card technologies	BNHH  RHCH
EDTA plasma	Electronic Cross Match	LP-TRA-EISSUE using Immucor Neo/Echo analysers	BNHH RHCH
EDTA plasma	Full Cross Match	In-House method LP-TRA-IATXM using BioRad Gel cards	BNHH RHCH
EDTA whole blood	Kleihauer	LP-TRA-KL using Guest Medical Kit Kleihauer stain and light microscopy	BNHH RHCH
EDTA whole blood	Rhesus and K phenotyping Kell - K Rh – C, D, E, c, e	LP-TRA-PHENO using Immucor Neo/Echo analysers and BioRad Gel cards	BNHH RHCH



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HUMAN BODY FLUIDS (cont'd)	<u>General Haematology</u>	Documented in-house procedures with manufacturer's instructions.	
Citrated plasma	APTT	LP-HAE-STARRGTLOAD using Stago STA-R-Max2 – Mechanical	BNHH RHCH
EDTA Whole Blood	Blood film – detecting microscopic cell contents	LP-HAE-0117 using Advia 2120i/Autoslide Siemens Hematek and manual stains (May-Grunwald Giemsa) Examination by light microscopy	BNHH
		LP-HAE-AEROSPRAY using Aerospray Haematology Pro implementation slide stainer and May-Grunwald Giemsa stain	RHCH
		LP-HAE-FLMEXAM Microscopic examination of stained blood films.	
Bone marrow aspirate	Bone Marrow Film – detecting microscopic cell contents and structure	LP-HAE-0134 by Microscopy using manual stains: May-Grunwald; Perls iron	BNHH RHCH
		LP-HAE-AEROSPRAY using Aerospray Haematology Pro implementation slide stainer and May-Grunwald Giemsa stain	RHCH
		LP-HAE-FLMEXAM Microscopic examination of stained blood films.	RHCH
Citrated plasma	D-Dimer	LP-HAE- Stago STA-R-Max2 immunological	BNHH RHCH
EDTA Whole Blood	Erythrocyte sedimentation rate (ESR)	LP-HAE-0141 and LP-HAE-0318 using StaRRsed RS Autocompact analyser using Westergren Principle LP-HAE-ESRUSE SOP LP-HAE-ESRMAIN Maintenance	BNHH
Citrated plasma	Fibrinogen	LP-HAE- STARRGTLOAD using Stago STA-R-Max2 – Mechanical	BNHH RHCH



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HUMAN BODY FLUIDS (cont'd)	<u>General Haematology</u> (cont'd)	Documented in-house procedures with manufacturer's instructions.	
EDTA Whole Blood	Full blood count:  Basophil count Eosinophil count Haematocrit Haemoglobin Hypochromic RBC % Large unstained cells Lymphocyte count MCH MCHC MCV Monocyte count Neutrophil count Platelet count RDW Red blood cell count White blood cell count	LP-HAE-0100 to LP-HAE-0110 using Siemens Advia 2120i analyser: flow cytometry and laser light refraction  Beckman Coulter analyser DxH900: Coulter Principle	BNHH
		LP-HAE-DxH900BODY Body Fluid automated count LP-HAE-DxH900MAIN	RHCH
EDTA Plasma or serum	Glandular fever heterophil IgM antibody	LP-HAE-0127 using Biokit latex coated beads	BNHH RHCH
EDTA Whole Blood	Haemoglobinopathies	Sebia: Hydrasys 2 Scan Electrophoresis LP-HAE-0178 Capillarys Haemoglobinopathy Analysis	BNHH
EDTA Whole Blood	HbA1c	Sebia Capillary's Flex2 Piercing Densitometer	BNHH
		LP-HAE-0175 Capillarys HbA1c Analysis	BNHH
EDTA Whole Blood	HLA-B27	LP-COA-HLAB27 using BD Biosciences FACSCanto II flow cytometry	BNHH
Citrated plasma	INR	LP-HAE- STARRGTLOAD using Stago STA-R-Max2– Mechanical/optical	BNHH RHCH



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HUMAN BODY FLUIDS (cont'd)	<u>General Haematology</u> (cont'd)	Documented in-house procedures with manufacturer's instructions.	
EDTA Whole Blood	Lymphocyte subsets T, B, & L including subsets	LP-HAE-0505 using BD Biosciences FACSCanto II flow cytometry	BNHH
EDTA Whole Blood	Reticulocytes	Siemens Manufacturer's analyser Advia 2120i LP-HAE-0106	BNHH
		Beckman Coulter analyser DxH900 LP-HAE-DxH900MAIN	RHCH
EDTA Whole Blood	Malaria Blood Film to detect Malaria parasites	LP-HAE-0122, LP-HAE-0117 using Advia 2120i/Autoslide Siemens Hematek and manual stains (May-Grunwald Giemsa) plus Giemsa and rapid fields stain. Examination by light microscopy	BNHH RHCH
EDTA Whole Blood	Malaria pLDH and HRP2 antigens	LP-HAE-0122 rapid test (RDT) using Care Start Rapyd card Test	BNHH RHCH
EDTA Whole Blood	Malaria Thick Film to detect malaria parasites	LP-HAE-0122 Manual method Fields stain Microscopy	BNHH RHCH
Citrated plasma	Prothrombin time	LP-HAE- STARRGTLOAD using Stago STA-R-Max2 – Mechanical/optical	BNHH RHCH
EDTA Plasma or serum	Sickle cell solubility	LP-HAE-0133 using Microgen solubility test	BNHH RHCH
Citrated plasma	Thrombin time	LP-HAE- STARRGTLOAD using Stago STA-R-Max2 – Mechanical	BNHH RHCH



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis</u>	Documented in-house procedures - LP-HIS-IHC	
Serum	Detection of:  ANCA IgG on neutrophil slides Anti-endomysial antibodies – IgG and IgA Anti-nuclear antibodies on Hep2 cell slides Gastric parietal cell IgG antibody Liver autoantibodies IgG on rodent tissue Skin autoantibodies IgG	Manual Indirect immunofluorescence using Fluorescence microscopy (Nikon Eclipse 50i) LP-BIO-IMMFL	BNHH
Serum	Quantitative Allergy testing	ImmunoCap using Phadia 250 SOP LP-BIO-I250SIGE	RHCH
	Almond	f20	
	Apple	f49	
	Aspergillus	m3	
	Avocado	f96	
	Banana	f92	
	Barley	f6	
	Bee	i1	
	Beef	f27	
	Birch	t3	
	Blue Mussel	f37	
	Brazil nuts	f18	
	Cacao	f93	
	Cagebirds mix	ex72	
	Cashew Ana o3	f443	
	Cashew nuts	f202	
	Cat epithelium	e1	
	Cereal mix	fx20	
	Cheese - Cheddar	f81	
	Cheese - Mould type	f82	
	Cherry	f242	
	Chicken	f83	
	Chickpea	f309	
	Coconut	f36	
	Codfish	f3	



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures with manufacturer's instructions.	
Serum (cont'd)	Quantitative Allergy testing (cont'd)	ImmunoCap using Phadia 250 SOP LP-BIO-I250SIGE	RHCH
	Crab	f23	
	Dog dander	e5	
	Egg Gal d1	f233	
	Egg Gal d2	f232	
	Egg white	f1	
	Egg (Whole)	f245	
	Egg yolk	f75	
	Fish mix	fx74	
	Food mix	fx5	
	Gluten	f79	
	Grape	f259	
	Grass pollen mix	gx3	
	Guinea Pig	e6	
	Hamster	e84	
	Hazelnut	f17	
	Hazelnut Cor a1	f428	
	Hazelnut Cor a8	f425	
	Hazelnut Cor a9	f440	
	Hazelnut Cor a14	f439	
	Horse dander	e3	
	House Dust Mite	d1	
	Kiwi	f84	
	Latex	k82	
	Maize	f8	
	Milk	f2	
	Milk Bos d4	f76	
	Milk Bos d5	f77	
	Milk Bos d8	f78	
	Mould mix	mx1	
	Mugwort	w6	
	Nuts mix (fx1)	fx1	
	Nuts mix (fx22)	fx22	
	Oat	f7	
	Omega 5 Gliadin	f416	
	Oranges	f33	
	Paprika	f218	
	Pea	f12	
	Peanut	f13	
	Peanut Ara h1	f422	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures with manufacturer's instructions.	
Serum (cont'd)	Quantitative Allergy testing (cont'd)	ImmunoCap using Phadia 250 SOP LP-BIO-I250SIGE	RHCH
	Peanut Ara h2	f423	
	Peanut Ara h3	f424	
	Peanut Ara h6	f447	
	Peanut Ara h8	f352	
	Peanut Ara h9	f427	
	Pear	f94	
	Pecan nuts	f201	
	Penicillin G	c1	
	Penicillin V	c2	
	Pine Nuts / pignoles	f253	
	Pistachio nuts	f203	
	Plum	f255	
	Pork	f26	
	Potato	f35	
	Prawns (Shrimp)	f24	
	Rabbit	e82	
	Rape	w203	
	Rice	f9	
	Rodents mix	ex70	
	Rye	f5	
	Salmon	f41	
	Seafood mix	fx2	
	Sesame seeds	f10	
	Soya	f14	
	Strawberry	f44	
	Tomatoes	f25	
	Tree pollen mix	tx8	
	Tuna	f40	
	Walnuts	f256	
	Walnut Jug r1	f441	
	Walnut Jug r3	f442	
	Wasp venom	i3	
	Weed pollen mix	wx3	
	Wheat	f4	
	Yeast	f45	
Faeces	Quantitative detection Faecal calprotectin	ELIA on Phadia 250 SOP LP-BIO-CPRO	BNHH





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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures with manufacturer's instructions.	
Serum	Quantitative detection of Intrinsic Factor Antibodies	ELIA on Phadia 250 SOP LP-BIO-IFAB	BNHH
Serum	Total IgE	Fluoroenzymeimmunoassay on Phadia 250 SOP LP-BIO-I250OPERATION	BNHH
	<u>Special Coagulation</u>	Documented in-house procedures with manufacturer's instructions	BNHH
Citrated plasma	Anti-cardiolipins	LP-COA-CARDT4- using Triturus T4 ELISA	BNHH
Citrated plasma	Anti β2 GPI	LP-COA-B2GP1T4 using Triturus T4 ELISA	BNHH
Citrated plasma	Antithrombin antigen	LP-COA-LIAATAG using STA-R-Max 2 immunological assay	BNHH
Citrated plasma	Anti Xa	LP-COA-ANTXDOAC using Stago STA-R-Max2Stago-R-Max chromogenic	BNHH
Citrated plasma	Dabigatran-anti IIa	LP-COA-STAR DABIG using Stago STA-R-Max2 chromogenic	BNHH
Citrated plasma	Factor assays: Factor II Factor V Factor VII Factor VIII (chromogenic) Factor VIII (clotting)	LP-COA-STARFAC using STA-R-Max2 chromogenic/mechanical	BNHH
Citrated plasma	Factor VIII Inhibitor	LP-COA-STARF8INHIB using Stago STA-R-Max2 mechanical	BNHH
Whole Blood	Factor VIII Inhibitory and non inhibitory antibodies (ELISA)	LP-COA-F8INHIBT4 using Triturus T4 ELISA	BNHH
Whole Blood	Factor V Leiden Prothrombin gene mutation	LP-COA-FVLPTMU using Cepheid GeneXpert PCR	BNHH



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HUMAN BODY FLUIDS (cont'd)	<u>Special Coagulation</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Whole Blood	Factor IX (clotting)	LP-COA-STARFAC using STA-R-Max2 chromogenic/mechanical	BNHH
Whole Blood	Factor IX (chromogenic)	LP-HAE-SCQC Stago STA-R-Max2 chromogenic using Sysmex reagent	BNHH
Whole Blood	Factor IX (Inhibitor)	LP-COA-STARF9INHIB using Stago STA-R-Max2 mechanical	BNHH
Whole Blood	Factor X Factor XI Factor XII	LP-HAE-SCQC Stago STA-R-Max2 chromogenic using Sysmex reagent	BNHH
Whole Blood	Factor XIII	LP- Stago DT100 chromogenic using Sysmex reagent	BNHH
Citrated plasma	Fibrinogen antigen	LP-COA-FIBAG using Radial Immuno Diffusion plate	BNHH
Citrated plasma	FVIII Emicizumab assay	LP-COA-STAF8EMI using Stage STA-R-Max2 clotting	BNHH
Citrated plasma	Homocysteine	LP- using Stago DT100 chromogenic/optical using IL reagent	BNHH
Citrated plasma	Heparin Induced Thrombocytopenia	LP-COA-HITST4 using Triturus T4 ELISA	BNHH
Citrated plasma	Lupus screen: Dilute APTT for Lupus Anticoagulant Screen and confirm	LP-COA-STARDAPT using Stago STA-R-Max2 clotting	BNHH
Whole Blood	PFA	LP-COA-PFA using Sysmex PFA100	BNHH
Citrated plasma	Platelet aggregation	LP-COA-PLTAGGS using Bio Data PAP8 aggregometer – optical	BNHH



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HUMAN BODY FLUIDS (cont'd)	<u>Special Coagulation</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Citrated plasma	Reptilase	LP-COA-STARREP using Stago STA-R-Max2 mechanical	BNHH
Citrated plasma	Thrombin generation	LP-COA-TGA Stago CAT analyser-fluorescence	BNHH
Citrated whole blood	Thromboelastography	LP-COA-ROTEM-, Rotem, Thromboelastography	BNHH
Citrated plasma	Thrombophilia screen: Alpha-2-antiplasmin Antithrombin activity APC resistance Plasminogen Protein C activity	LP-COA-STARTHROM using Stago-R-Max STA-R-Max2- chromogenic/optical, immunological	BNHH
Citrated plasma	Von Willebrand's collagen binding assay	LP-COA-VWFCB using Triturus T4 ELISA	BNHH
Citrated plasma	Von Willebrand's Factor VIII binding assay	LP-COA-VWFVIIT4 using Triturus T4 ELISA	BNHH
Citrated plasma	Von Willebrand's VWF multimers	LP-HAE-VWFMULT Electrophoresis Sebia Hydrasys	BNHH
Citrated plasma	Von Willebrand's Ristocetin Co Factor activity	LP-COA-VWFSTARMAX using Stago STA-R-Max2 photometry	BNHH
Citrated plasma	Von-Willebrand's screen: VWF antigen	LP-COA-STARFAC using STA-R-Max2 chromogenic/mechanical	BNHH
Citrated whole blood	Whole Blood Aggregation	LP-COA-WBA using Chronolog-Whole blood aggregation with luminescence with nucleotide release	BNHH



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<p><b>HUMAN TISSUES AND FLUIDS</b></p> <p>Fixed and fresh cellular material and body fluid samples, prepared slides, fine needle aspirates and brushings:</p> <p>Unfixed Preparations: aspirates, body fluids, brushings, CSFs, sputum, urine, washings Wet fixed preparations: brushings, EUSFNA Air Dried Preparations: Body fluids, CSFs FNA Wet Fixed Preparations: Breast, brushings, EUSFNA, lymph nodes, thyroid FNA Air Dried Preparations: Breast, lymph nodes, EUSFNA, thyroid</p> <p>Fixed and fresh cellular material and body fluid samples, prepared slides, fine needle aspirates and brushings:</p>	<p><u>Diagnostic Cytopathology</u></p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis</p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis</p> <p>Morphological assessment and interpretation/diagnosis</p>	<p><u>Diagnostic cytology</u> In-house documented procedures in conjunction with manufacturer's instructions using:</p> <p>Sample preparation (Hettich Rotina Centrifuge &amp; Shandon Cytospin 4) LP-CYT-CLOTS LP-CYT-FLUIDS</p> <p>Diagnostic cytology In-house documented procedures in conjunction with manufacturer's instructions using:</p> <p>Microscopy (qualitative analysis) In-house procedures using light microscopy: LP-CYT-SCRNONG</p>	<p>RHCH</p> <p>RHCH BNHH</p>



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<p><b>HUMAN TISSUES AND FLUIDS (cont'd)</b></p> <p>Fixed and fresh cellular material and body fluid samples, prepared slides, fine needle aspirates and brushings:</p> <p>Unfixed Preparations: aspirates, body fluids, brushings, CSFs, sputum, urine, washings</p> <p>Wet fixed preparations: brushings, EUSFNA</p> <p>Air Dried Preparations: Body fluids, CSFs</p> <p>FNA Wet Fixed Preparations: Breast, brushings, EUSFNA, lymph nodes, thyroid</p> <p>FNA Air Dried Preparations: Breast, lymph nodes, EUSFNA, thyroid</p>	<p><u>Diagnostic Cytopathology (cont'd)</u></p> <p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis</p> <p>Visualisation of nuclear detail in cells present</p>	<p><u>Diagnostic cytology</u> In-house documented procedures in conjunction with manufacturer's instructions using:</p> <p>LP-CYT-EQUIPUSE LP-CYT-STAIN</p>	RHCH
<p>FFPE tissue samples and cell blocks</p>	<p><u>Histopathological examination of tissues for the purpose of diagnosis</u></p> <p>All tissue components: Cytoplasm Fibrin Muscle fibres Nuclei Red blood cells</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p>Automated Routine Haematoxylin &amp; Eosin staining using: Sakura H&amp;E staining machine Sakura Prisma and Coverfilm LP-HIS-PRISMA</p>	RHCH
<p>Frozen section</p>	<p>All tissue components: Cytoplasm Fibrin Muscle fibres Nuclei Red blood cells</p>	<p>Manual H&amp;E staining using: LP-HIS-FROZEN</p>	BNHH



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Histopathological examination of tissues for the purpose of diagnosis (cont'd)</u>	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	
FFPE tissue samples and cell blocks and frozen sections	All tissue components: Cytoplasm Fibrin Muscle fibres Nuclei Red blood cells	Manual H&E staining using: LP-HIS-PRISMA	RHCH
Fixed, fresh and frozen tissue samples: excisional and incisional biopsies and surgical resections	Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of clinical diagnoses.	Decalcification using: LP-HIS-DECALC	RHCH BNHH
		Embedding using: Sakura Tissue Embedding Centres LP-HIS-EMBEDHHFT	RHCH
		Frozen sections using: Cryostar NX50 (Thermo Fisher) LP-HIS-FROZENHHFT WI-HIS-NX50	RHCH
		Frozen sections using: Cryostar NX70 Cryostat LP-HIS-FROZENHHFT WI-HIS-FROZEN	RHCH
		Macroanalysis, Specimen dissection using: LP-HIS-BMSCUTUP LP-HIS-CONCUT	RHCH BNHH
Fixed, fresh and frozen tissue samples: excisional and incisional biopsies and surgical resections	Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of clinical diagnoses.	Microtomy and slide production using: Leica rotary microtomes LP-HIS-MICROTOMY WI-HIS-MICROTOMY	RHCH
		Tissue processing using: LP-HIS-VIP	RHCH



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HUMAN TISSUES AND FLUIDS (cont'd)	<u>Histopathological examination of tissues for the purpose of diagnosis (cont'd)</u>	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	
FFPE tissue samples and cell blocks	Special staining for identification of:	Automated Special staining using: Sakura Prisma AB/PASD PAS/D LP-HIS-PRISMA	RHCH
	Acid mucins and neutral mucins		
	Special staining for identification of:	Special staining using manual techniques	RHCH
	Acid fast Bacilli	Ziehl Neelsen (ZN) WI-HIS-ZN	RNCH
	Acid mucins	Alcian blue WI-HIS-AB	RHCH
	Acid mucins and neutral mucins	Alcian Blue Periodic Acid Schiff (AB PAS) +/- Diastase WI-HIS-ABPAS	RHCH
	Amyloid	Congo Red WI-HIS-ALKCR	RHCH
	Connective tissue	Masson Trichrome WI-HIS-MASSTRI	RHCH
	Copper associated protein / HepBsAg	Shikata's Orcein WI-HIS-SHITAKA	RHCH
	Demonstration of iron	Perls WI-HIS-PERLS	RHCH
	Differentiate between gram positive and negative bacteria	Gram WI-HIS-GRAM	RHCH
	Differentiation of collagen from other connective tissues	Van Gieson Stain WI-HIS-hvg	RHCH
	Elastin and connective tissue	EVG - Miller's Elastic Van Gieson WI-HIS-EVG	RHCH
Fibrin	Martius Scarlet Blue (MSB) WI-HIS-MSB	RHCH	
Fungi	Grocott's Hexamine Silver WI-HIS-GROCOTT	RHCH	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination of tissues for the purpose of diagnosis (cont'd)</u>	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):		
	Helicobacter Pylori	Giemsa WI-HIS-GIEMSA	RHCH	
	Mast cells	Toluidine Blue WI-HIS-TOLBLUE	RHCH	
	Melanin	Masson – Fontana WI-HIS-MFONT	RHCH	
	Reticulin	Reticulin - silver impregnation technique WI-HIS-RETIC	RHCH	
	Tissue carbohydrates e.g. glycogen, mucins and fungal cell walls.	PAS +/- diastase WI-HIS-PAS	RHCH	
	EDTA whole blood	Rhesus and K phenotyping Kell - K Rh – C, D, E, c, e	LP-TRA-PHENO using Immucor Neo/Echo analysers and BioRad Gel cards	BNHH RHCH
		<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of clinical diagnosis</u>	Automated Immunohistochemical staining - Documented in house methods	
		Anaplastic lymphoma Kinase	ALK-1	RHCH
		Assessment of HER2 receptor status in invasive breast carcinomas	Her2 (4B5)	RHCH
Assessment of receptor expression invasive breast carcinomas		Oestrogen Receptor (ER) PR	RHCH	
B-cells and monocytes		CD23	RHCH	
B cells in mantle zone and interfollicular T cells		BCL-2	RHCH	
B-cell neoplasms		CD79A	RHCH	





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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of clinical diagnosis (cont'd)</u>	Automated Immunohistochemical staining - LP-HIS-IHC	
	B-cells (precursors and mature)	CD20	RHCH
	B & T-cell malignancies	CD5	RHCH
	Cell cycle regulation. Identification of mantle cell lymphomas	Cyclin D1	RHCH
	Cells in active phases of the cell cycle. Classification of a variety of tumours	KI-67	RHCH
	Cells of mesenchymal origin and tumours of mesenchymal origin	Vimentin	RHCH
	Cells of neuroendocrine origin	CHROMOGRANIN A	RHCH
	Cells of neuronal and neuroendocrine origin.	NSE	RHCH
	Classification of tumours in central and peripheral nervous system, malignant melanocytic tumours, malignant melanoma metastasis	S100	RHCH
	Diagnosis of high grade cervical intraepithelial neoplasia, oropharyngeal squamous cell carcinomas	P16	RHCH
Early lymphoid cells and various non-lymphoid cells. Aids identification of Burkitt lymphoma and renal cell carcinomas	CD10	RHCH	
Endothelial cells	CD31	RHCH	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of clinical diagnosis (cont'd)</u>	Automated Immunohistochemical staining - LP-HIS-IHC	
	Endothelial cells, vascular and lymphocytic tumours	CD34	RHCH
	Epithelial basal cells, mesothelioma	CK5/6	RHCH
	Epithelial basal cells. Used for investigation of prostate, breast and lung neoplasms	P63	RHCH
	Epithelial cells – broad reactivity (simple squamous to stratified squamous). Identification of epithelial cell neoplasms	MNF116	RHCH
	Epithelial cells. Identification and classification of ductal breast carcinomas	E-CADHERIN	RHCH
	Epithelial marker	BerEP4	RHCH
	Epithelioid malignancies of the ovary, cervical papillary serous carcinoma, adenocarcinoma of the endometrium, clear cell bladder adenocarcinoma, epithelioid mesothelioma	CA125	RHCH
	Germ cell neoplasms	PLAP	RHCH
	GISTs, acute myeloid leukaemia	CD117	RHCH
GI tract adenocarcinomas	CEA	RHCH	
Glandular epithelium of prostate. Neoplasms of prostatic origin.	PSAP	RHCH	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of clinical diagnosis (cont'd)</u>	Automated Immunohistochemical staining - LP-HIS-IHC	
	Hepatocellular carcinomas, yolk sac tumours, mixed germ cell tumours	Alpha fetoprotein	RHCH
	High Molecular Weight Cytokeratin (Cytokeratin's 1,5, 10 and 14	34BE12	RHCH
	Identification and classification of GIST	DOG-1	RHCH
	Identification of human DNA mismatch repair proteins MLH-1, MSH-2, MSH-6 and PMS-2. Classification of colorectal tumours	MLH-1 MSH2 MSH-6 PMS-2	RHCH
	Identification of Wilms' tumours, malignant mesothelioma	WT-1	RHCH
	IgG4-positive plasma cells. Diagnosis of IgG4 related sclerosing diseases	IgG4	RHCH
	Intestinal epithelial cells	CDX2	RHCH
	Leucocytes, lymphoid neoplasms	CD45 (LCA)	RHCH
	Low molecular weight cytokeratin 7 and 8	CAM5.2	RHCH
Lung and thyroid tissue. Aids in classification of lung and thyroid tumours	TTF-1	RHCH	
Lymphomas, small cell lung cancer	CD56	RHCH	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of clinical diagnosis (cont'd)</u>	Automated Immunohistochemical staining - LP-HIS-IHC	
	Megakaryocytic differentiation	CD61	RHCH
	Melanocytes. Identification and classification of melanomas	MELAN A	RHCH
	Melanosomes. Identification and classification of malignant melanocytic lesions.	HMB45	RHCH
	Mesothelial cell lining	Calretinin	RHCH
	Monocytes, macrophages	CD68	RHCH
	Myocardial, skeletal and smooth muscle cells and myoepithelial cells	Smooth Muscle Actin	RHCH
	Neuroendocrine cells. Classification of neuroendocrine neoplasm	Synaptophysin	RHCH
	Normal and neoplastic epithelial cells – adenocarcinomas of colon, stomach, pancreas etc.	CK20	RHCH
	Normal and neoplastic epithelial cells – adenocarcinomas of breast, lung, endometrium, thyroid	CK7	RHCH
Normal epithelial cells. Identification and classification of neoplasms. Lung adenocarcinoma vs mesothelioma	MOC-31	RHCH	
Normal human hepatocytes, hepatocellular carcinomas	Hepatocyte Specific Antigen	RHCH	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of clinical diagnosis (cont'd)</u>	Automated Immunohistochemical staining - LP-HIS-IHC	
	Platelets, Megakaryocytes, histiocytic cells, dermal dendritic cells. Identification dermatofibroma and some vascular neoplasms	Factor XIIIa	RHCH
	Prostate secretory and ductal epithelial cells. Neoplasms of prostatic origin	PSA	RHCH
	Reed Sternberg cells, activated B&T-lymphocytes	CD30	RHCH
	Reed- Sternberg cells – Hodgkin's lymphoma	CD15	RHCH
	Secretory epithelial cells, Hodgkin's lymphoma, anaplastic large cell lymphoma	EMA	RHCH
	Sex-cord stromal tumours	Inhibin	RHCH
	Simple and non-keratinizing epithelia, tumours of epithelial origin	CK19	RHCH
	Smooth and striated muscle cells	Desmin	RHCH
	Smooth muscle cells and myoepithelial cells. Classification of breast tumours.	Smooth Muscle Myosin	RHCH
Some epithelial cells of kidney, thyroid and Müllerian organs. Identification and classification of ovarian serous carcinoma, clear cell renal carcinoma and papillary thyroid carcinoma	PAX-8	RHCH	



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HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of clinical diagnosis (cont'd)</u>	Automated Immunohistochemical staining - LP-HIS-IHC	
	T-cells and T-cell neoplasms	CD3	RHCH
	T-cell lymphomas	CD8	RHCH
	Thymocytes, resting T-cells, mature activated T-cells. Classification of T-cell neoplasms	UCHL-1 (CD45R0)	RHCH
	Tumours of epithelial origin	AE1/AE3	RHCH
	Von Willebrand Factor – endothelial cells and megakaryocytes	Factor VIII	RHCH
Slides prepared in house from samples listed above	<u>Morphological assessment and interpretation/diagnosis</u>	Microscopy (qualitative analysis) using Leica/Nikon microscopes Consultant reporting SOP	
Lymph node tissue	Detect the expression level of Cytokeratin 19 mRNA normally not present in lymph node tissue	Manufacturer's instructions and documented in-house procedures with reference to: Homogeniser, vortex, centrifuge, Sysmex RD210 LP-HIS-OSNA Intraoperative analysis of sentinel lymph nodes using OSNA	BNHH RHCH



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

**Hampshire Hospitals NHS Foundation Trust**

**Issue No: 022    Issue date: 27 August 2024**

**Testing performed by the Organisation at the locations specified**

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN TISSUES and FLUIDS (cont'd) (unless specified)	<u>Microbiological examinations for the purpose of clinical diagnosis</u>	In-house documented procedures and incorporating relevant manufacturers' instructions	
Bacterial cultures isolated in house from blood cultures and urine	Antimicrobial susceptibility testing (AST)	In house documented procedures using EUCAST methodology and E-test LP-MIC-BASSOP-21	BNHH
Bacterial and yeast isolates cultured in-house	Organism identification	Bruker MALDI Biotyper Sirius	BNHH
Urine	Detection and Quantification of white and red blood cells, epithelial cells, cast, bacteria, yeast	Manual analysis using microscopy - inverted microscope LP-MIC-UF1000	BNHH
Respiratory samples, body fluids	Detection of Acid Fast Bacilli	Manual microscopy using fluorescent technique, auramine or manual light microscopy using modified Ziehl-Neelson LP-MIC-BASSOP-17 LP-MIC-BASSOP-T39	BNHH
NPA	Detection of adenovirus	Lateral flow immuno-chromatographic card/strip LP-MIC-ADENONPA	BNHH
Swabs, urine and isolates Bone Respiratory tract Urine	Detection of Carbapenamase producing organisms	Standard culture techniques onto selected media LP-MIC-CPESCREEN LP-MIC-CARBRESIST LP-MIC-BASSOP-18 LP-MIC-URINECULT LP-MIC-BASSOP-22	BNHH
Faeces	Detection of <i>Clostridium difficile</i> toxins A & B	Using r-biopharm® RIDA® QUICK <i>Clostridium difficile</i> Toxin A/B testing kit, an immunochromatographic rapid	BNHH
All specimens considered appropriate after clinical assessment, including respiratory samples sputum, bronchoalveolar lavage, tissue and CSF	Detection of microbial growth and isolation of Mycobacteria sp	Biomerieux BacTAlert 3D analyser LP-MIC-BASSOP-17	BNHH



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HUMAN TISSUES and FLUIDS (cont'd) (unless specified)	<u>Microbiological examinations for the purpose of clinical diagnosis (cont'd)</u>	In-house documented procedures and incorporating relevant manufacturers' instructions	
Urine	Detection of Pneumococcal antigen	Quidel Sofia FIA immunofluorescence lateral flow test LP-MIC-LEGPAG	BNHH
Faeces	Detection of presence/absence of Cryptosporidium	Manual microscopy using light microscope or manual microscopy using fluorescence auramine stain and Ziehl-Neelson LP-MIC-BASSOP-19 LP-MIC-BASSOP-27 LP-MIC-BASSOP-T39	BNHH
Faeces	Detection of presence/absence of faecal parasites Red blood cells White blood cells	Manual microscopy using light microscope and concentration techniques LP-MIC-BASSOP-19 LP-MIC-BASSOP-27	BNHH
Faeces	Detection of Rotavirus and Adenovirus	Lateral flow immuno-chromatographic card LP-MIC-BASSOP-19	BNHH
NPA	Detection of RSV antigen	BinaxNOW® antigen, lateral flow immuno-chromatographic card LP-MIC-RSVNPA	BNHH
Joint fluids	Identification of crystals	Using light microscopy LI-MIC-CRYSTALS	BNHH
Air sampling settle plates	Isolation of micro-organisms of medical importance	Manual inoculation and culture using in-house procedures: LP-MIC-AIRSAMP LP-MIC-MALDI	BNHH





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<p>HUMAN TISSUES and FLUIDS (cont'd) (unless specified)</p> <p>Fluids Cellular &amp; fluid material contained on swabs &amp; other materials Tissues</p>	<p><u>Microbiological examinations for the purpose of clinical diagnosis (cont'd)</u></p> <p>Isolation of micro-organisms of clinical significance</p>	<p>In-house documented procedures and incorporating relevant manufacturers' instructions</p> <p>Manual inoculation and culture using in-house procedures:</p> <p>LP-MIC-BASSOP-01 (wound swabs) LP-MIC-BASSOP-02 (throat swabs) LP-MIC-BASSOP-03 (ear swabs) LP-MIC-BASSOP-04 (eye swabs) LP-MIC-BASSOP-05 (CSF) LP-MIC-BASSOP-06 (mouth swabs) LP-MIC-BASSOP-07 (nose swabs) LP-MIC-BASSOP-08 (tissues and biopsies) LP-MIC-BASSOP-11 (sterile fluids) LP-MIC-BASSOP-13 (CAPD fluid) LP-MIC-BASSOP-15 (bile) LP-MIC-BASSOP-16 (gastric aspirates) LP-MIC-BASSOP-20 (intraocular fluid and corneal scrapings) LP-MIC-BASSOP-23 (genital specimens) LP-MIC-BASSOP-25 (sinus aspirates) LP-MIC-BASSOP-80 (abscesses and deep wound infections) LP-MIC-BASSOP-83 (intravascular cannulae) LP-MIC-COUGH (cough swabs) LP-MIC-MRSA LP-MIC-MALDI</p>	BNHH
Pharmacy samples	Isolation of micro-organisms of clinical significance	<p>Manual inoculation and culture using in-house procedures:</p> <p>LP-MIC-PHARM LP-MIC-MALDI</p>	BNHH



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HUMAN TISSUES and FLUIDS (cont'd) (unless specified)	<u>Microbiological examinations for the purpose of clinical diagnosis (cont'd)</u>	In-house documented procedures and incorporating relevant manufacturers' instructions	
Whole blood	Isolation of microorganisms of clinical significance	Automated liquid culture using Biomerieux BactAlert 3D using pH change detection and conventional culture and microscopy LP-MIC-BASSOP-24	BNHH
Faeces	Isolation of micro-organisms of clinical significance including detection of: <i>Campylobacter spp.</i> <i>E. coli O157</i> <i>Salmonella spp.</i> <i>Shigella spp.</i>	LP-MIC-BASSOP-19	BNHH
Genital tract	Isolation of micro-organisms of clinical significance including detection of: Bacterial vaginosis (BV) <i>Trichomonas vaginalis</i> (TV) Yeasts	Manual inoculation, culture, fluorescent microscopy using in-house procedures: LP-MIC-BASSOP-23 LP-MIC-BASSOP-T39 Manual microscopy using light microscope LI-MIC-HAYS	BNHH
Urine	Legionella antigen screen	Quidel Sofia FIA immunofluorescence lateral flow test LP-MIC-LEGPAG	BNHH
Faeces	Microscopic analysis for presence absence of faecal parasites Detection ova, cysts and worms	Manual Microscopy using standard light microscope and concentration techniques as appropriate LP-BASSOP-19 LP-MIC-BASSOP-27 LP-MIC-BASSOP-T43	BNHH
Isolates from MRSA culture plates	MRSA sensitivity testing	E test diffusion Disc diffusion LP-MIC-BASSOP-21 LP-MIC-MRSA	BNHH



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HUMAN TISSUES and FLUIDS (cont'd) (unless specified)	<u>Microbiological examinations for the purpose of clinical diagnosis (cont'd)</u>	In-house documented procedures and incorporating relevant manufacturers' instructions	
Positive blood cultures	Organism identification	Bruker MALDI Biotyper Sirius,	BNHH
Faeces	Qualitation detection of Giardia cysts and Cryptosporidium oocysts	Techlab Giardia/Cryptosporidium Quik Chek, a rapid membrane EIA.	BNHH
CAPD (continuous ambulatory peritoneal dialysis)	Quantification of white and red blood cells	Microscopy and counting chambers LP-MIC-BASSOP-13	BNHH
CSF	Quantification of white and red blood cells	Manual analysis using microscopy LP-BASSOP-05	BNHH
Urine	Quantification of white and red blood cells, epithelial cells, cast, bacteria, yeast	Sedimax conTRUST Pro, automated urine sediment analysis LP-MIC-SEDIMAX	BNHH
Yeast isolates	Sensitivity testing of fungi	E-test diffusion LP-MIC-BASSOP-21 LP-MIC-YEASENS	BNHH
Bacterial and yeast isolates cultured in-house	Sensitivity testing and organism identification	LP-MIC-BASSOP-21	BNHH
Faeces	<u>Molecular examinations for the purpose of clinical diagnosis</u>	In-house documented methods following manufacturers' instructions	
	Detection of medically important organisms including: <i>Campylobacter spp.</i> <i>Clostridium difficile</i> <i>Cryptosporidium parvum</i> <i>Entamoeba histolytica</i> <i>Giardia lamblia</i> <i>Norovirus</i> <i>Salmonella spp.</i> <i>Shigellosis Agent</i> <i>Shiga-toxin</i>	Becton Dickinson BDMax analyser Realtime PCR LP-MIC-BASSOP-19 LP-MIC-BDMAX	BNHH
Swabs, urines, isolates	Molecular detection of Carbapenamase producing organisms	GeneXpert Realtime PCR LP-MIC-GENEXP	BNHH



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HUMAN TISSUES and FLUIDS (cont'd) (unless specified)	<u>Molecular examinations for the purpose of clinical diagnosis</u> (cont'd)	In-house documented methods following manufacturers' instructions	
Swabs, urine	Molecular detection of: Chlamydia Gonococci	Roche Cobas 4800 – NAATS PCR LP-MIC-NAATS	BNHH
Faeces	Molecular detection of Clostridium difficile DNA	GeneXpert Realtime PCR LP-MIC-GENEXP	BNHH
Swab	Molecular detection of Herpes virus 1 (HSV1), Herpes virus 2 (HSV2) and Varicella Zoster virus (VZV)	Bio Molecular Systems Magentic Induction Cyclor using Viasure HSV1, HSV2 and VZV using real time PCR LP-MIC-VIASUREHHV	BNHH
Respiratory samples: Nose viral swabs Throat viral swabs	Molecular detection of Influenza A/B and RSV DNA	GeneXpert Realtime PCR LP-MIC-GENEXP	BNHH
CSF	Molecular detection of meningitis/encephalitis causing bacteria, viruses and yeast	Biomerieux Biofire, FilmArray Meningitis/Encephalitis (ME), multiplex PCR	BNHH RHCH
Swab	Molecular detection of MRSA	GeneXpert Realtime PCR LP-MIC-GENEXP	BNHH
Swabs and urine	Molecular detection of N. gonorrhoeae	Cepheid GeneXpert, Xpert CT/NG using real time PCR. LP-MIC-GENEXP	BNHH
Nasopharyngeal swabs	Molecular detection of respiratory viruses and bacteria	Biomerieux Biofire, FilmArray Meningitis/Encephalitis (ME), multiplex PCR LP-MIC-BIOFIRE	BNHH RHCH
Faeces	Molecular detection of Norovirus RNA	GeneXpert Realtime PCR LP-MIC-GENEXP	BNHH
Nasopharyngeal swabs	Molecular detection of SARS-CoV-2	Cepheid GeneXpert, PCR	BNHH RHCH
Plasma EDTA	Quantification of HIV viral load	GeneXpert Realtime PCR LP-MIC-GENEXP	BNHH



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HUMAN TISSUES and FLUIDS (cont'd) (unless specified)	<u>Molecular examinations for the purpose of clinical diagnosis</u> (cont'd)	In-house documented methods following manufacturers' instructions	
Swab	Presence/absence Panton-Valentine leucocidin (PVL) DNA	Biomolecular Systems MIC Real time PCR LP-MIC-PVLSOP	BNHH
	<u>Mycology examinations for the purpose of clinical diagnosis</u>	In-house documented methods following manufacturers' instructions	
Hair, skin scrapings and nails	General isolation and characterisation of fungi of clinical significance	Culture and Microscopy, staining using Calcofluor White LP-MIC-BASSOP-39	BNHH
Hair, skin scrapings and nails	General isolation and characterisation of fungi of clinical significance	Culture and Microscopy, staining using Calcofluor White LP-MIC-BASSOP-39	BNHH
	<u>Serological examinations for investigation for immunity and markers of infectious disease</u>		
Serum	Qualitative detection of:  Bordetella pertussis IgG antibody CMV IgM Cytomegalovirus (CMV) IgG EBV Capsid IgM EBV nuclear antibody Epstein Barr Virus (EBV) Capsid IgG Hepatitis A IgM antibody	Manufacturer's instructions for Diasorin Liaison XL immunoassay using chemiluminescence in conjunction within house documented methods: LP-MIC-DIASORINXL	BNHH



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Serum	Qualitative detection of:  Hepatitis B Core Antibody* Hepatitis B surface antigen Hepatitis C antibody HIV antibody / HIV antigen* Lyme disease IgG antibody Measles IgG antibody Parvovirus IgG antibody Parvovirus IgM antibody Rubella IgG Syphilis IgM / IgG antibodies* Toxoplasma Antibody test VZV IgG	Documented in-house methods to meet the requirements of the NHS Infectious Diseases in Pregnancy screening programme "NHS Infectious Diseases in Pregnancy screening: laboratory QA evidence requirements" (*relevant tests)  Manufacturer's instructions for Diasorin Liaison XL immunoassay using chemiluminescence in conjunction within house documented methods: LP-MIC-DIASORINXL	BNHH
Serum	Qualitative detection of:  Hepatitis A Total antibody Hepatitis B core antibody Hepatitis B core IgM antibodies Hepatitis B surface antigen* Hepatitis C Antibody Hepatitis E antibody Hepatitis E antigen HIV Ab/Ag * Mumps IgG antibody Rubella antibody Varicella zoster IgG antibody	Biomerieux Vidas (ELFA) LP-MIC-BASSOP-71	BNHH



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Serum	Quantitative detection of:  Hepatitis B surface antibody Rubella IgG	Manufacturer's instructions for Diasorin Liaison XL immunoassay using chemiluminescence in conjunction within house documented methods: LP-MIC-DIASORINXL	BNHH
Serum	Beta-D-glucan	FUJIFILM Wako (1-3)-B-D-Glucan test, a kinetic turbidimetric assay LP-MIC-BASSOP-BGLU	BNHH
Urine	Detection of Pneumococcal antigen	BinaxNOW® antigen, lateral flow immuno-chromatographic card LP-MIC-LEGPAG	BNHH
Serum	Detection of RPR (Rapid Plasma Region)*	Axis Shield RPR Kit – Carbon antigen for the detection of antibodies to VDRL antigen LP-MIC-RPRSER	BNHH
NPA	Detection of RSV antigen	BinaxNOW® antigen, lateral flow immuno-chromatographic card LP-MIC-RSVNPA	BNHH
Faeces	Helicobacter pylori antigen detection	Sentinel Easy-Card H. pylori Ag test, an immuno-chromatographic assay	BNHH
Heparinised whole blood	Interferon gamma release assay for TB detection	Diasorin Liaison XL, QuantiFERON-TB Gold Plus using chemiluminescent immunoassay (CLIA) technology	BNHH
Urine	Legionella antigen screen	BinaxNOW® antigen, lateral flow immuno-chromatographic card LP-MIC-LEGPAG	BNHH
Serum	Quantitative detection of Anti-Streptolysin 'O' (ASO)	Latex agglutination LP-MIC-ASOSER	BNHH
END			