


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL</p> <p>8082</p> <p>Accredited to ISO 15189:2012</p>	<p>Hampshire Hospitals NHS Foundation Trust</p> <p>Issue No: 12 Issue date: 06 April 2021</p>	
	<p>Pathology Basingstoke & North Hampshire Hospital Aldermaston Road Basingstoke RG24 9NA</p>	<p>Contact: Mark Sidwell Tel: +44 (0) 1256 313 284 Fax: +44 (0) 1256 313 905 E-Mail: mark.sidwell@hhft.nhs.uk Website: www.hampshirehospitals.nhs.uk</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations: Location details	Activity	Location code
<p>Haematology & Blood Transfusion Basingstoke & North Hampshire Hospital Level B Aldermaston Road Basingstoke RG24 9NA</p> <p>Local contact As above</p>	<p>Haematology Coagulation Blood Transfusion Blood Transfusion Issue Fridge</p>	BNHH
<p>Biochemistry Basingstoke & North Hampshire Hospital Level B Aldermaston Road Basingstoke RG24 9NA</p> <p>Local contact As above</p>	<p>Biochemistry Immunology</p>	BNHH
<p>Cellular Pathology Department Basingstoke and North Hampshire Hospital Aldermaston Road Basingstoke RG24 9NA</p> <p>Local contact Jeff Morrison</p>	<p>Diagnostic cytology (receipt and reporting only) Pathologist and BMS cut up Frozen section OSNA Histopathology reporting</p>	BNHH
<p>Haematology & Blood Transfusion Royal Hampshire County Hospital Romsey Road Winchester SO22 5DG</p> <p>Local contact As above</p>	<p>Haematology Coagulation Blood Transfusion Blood Transfusion Issue Fridge</p>	RHCH
<p>Biochemistry Royal Hampshire County Hospital Romsey Road Winchester SO22 5DG</p> <p>Local contact As above</p>	<p>Biochemistry</p>	RHCH
<p>Cellular Pathology Department Royal Hampshire County Hospital Romsey Road Winchester SO22 5DG</p> <p>Local contact Jeff Morrison</p>	<p>Diagnostic cytology Routine Histology Immunocytochemistry Frozen sections OSNA</p>	RHCH



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Alton Community Hospital Chawton Park Road Alton GU34 1RJ	Local contact As above	Blood Issue Fridge No testing occurs on this site, blood storage only	ACH
BMI Healthcare Basing Road Old Basing Basingstoke RG24 7AL	Local contact As above	Blood Bank No testing occurs on this site, blood storage only	BMIHC
Countess of Brecknok House Andover War Memorial Hospital Andover	Local contact As above	Blood Issue Fridge No testing occurs on this site, blood storage only	COB
BMI Healthcare Sarum Road Hospital Winchester	Local contact As above	Blood Issue Fridge No testing occurs on this site, blood storage only	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>General Haematology</u>	Documented in-house procedures with manufacturer's instructions.	
EDTA Whole Blood (unless otherwise stated)	Full blood count: Haemoglobin White blood cell count Platelet count Red blood cell count Haematocrit MCV MCH MCHC RDW Hypochromic RBC % Neutrophil count Lymphocyte count Basophil count Monocyte count Eosinophil count Large unstained cells	LP-HAE-0100 to LP-HAE-0110 using Siemens Advia 2120i analyser: flow cytometry and laser light refraction	BNHH and RHCH
	Reticulocytes	Siemens Manufacturer's analyser Advia 2120i LP-HAE-0106	BNHH and RHCH
EDTA Whole Blood (unless otherwise stated)	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 and RHCH
	Erythrocyte sedimentation rate (ESR)	LP-HAE-0141 and LP-HAE-0318 using StaRRsed Autocompact analyser	BNHH
EDTA Plasma or serum	Glandular fever heterophil IgM antibody	LP-HAE-0127 using Biokit latex coated beads	BNHH and RHCH
	Sickle cell solubility	LP-HAE-0133 using Microgen solubility test	BNHH and 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	HbA1c	Sebia Capillary's Flex2 Piercing Densitometer LP-HAE-0175 Capillary's HbA1c Analysis	BNHH
EDTA Whole Blood	Haemoglobinopathies	Sebia: Hydrasys 2 Scan Electrophoresis LP-HAE-0178 Capillary's Haemoglobinopathy Analysis	BNHH
EDTA Whole Blood (unless otherwise stated)	Lymphocyte subsets T, B, & L including subsets	LP-HAE-0505 using BD Biosciences FACSCanto II flow cytometry	BNHH
EDTA Whole Blood (unless otherwise stated)	HLA-B27	LP-COA-HLAB27 using BD Biosciences FACSCanto II flow cytometry	BNHH
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 and RHCH
EDTA Whole Blood	Malaria pLDH and HRP2 antigens	LP-HAE-0122 rapid test (RDT) using Care Start Rapyd card Test	BNHH and 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 and RHCH
EDTA Whole Blood	Malaria Thick Film to detect malaria parasites	LP-HAE-0122 Manual method Fields stain Microscopy	BNHH and RHCH



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HUMAN BODY FLUIDS (cont'd)	<u>General Haematology</u> (cont'd)	Documented in-house procedures with manufacturer's instructions.	
Citrated plasma	APTT	LP-HAE-STARRGTLOAD using Stago STA-R-Max2 – Mechanical	BNHH and RHCH
Citrated plasma	Fibrinogen	LP-HAE- STARRGTLOAD using Stago STA-R-Max2 – Mechanical	BNHH and RHCH
Citrated plasma	Prothrombin time	LP-HAE- STARRGTLOAD using Stago STA-R-Max2 – Mechanical/optical	BNHH and RHCH
Citrated plasma	INR	LP-HAE- STARRGTLOAD using Stago STA-R-Max2– Mechanical/optical	BNHH and RHCH
	Thrombin time	LP-HAE- STARRGTLOAD using Stago STA-R-Max2 – Mechanical	BNHH and RHCH
Citrated plasma	D-Dimer	LP-HAE- Stago STA-R-Max2 immunological	BNHH and RHCH
Whole blood (unless otherwise stated)	<u>Special Coagulation</u>	Documented in-house procedures with manufacturer's instructions	
Citrated plasma	VWF multimers	LP-HAE-VWFMULT Electrophoresis Sebia Hydrasys	BNHH
Citrated plasma	Thrombophilia screen:	LP-COA-STARTHROMusing Stago–R-Max STA-R-Max2-	BNHH
	Antithrombin activity	chromogenic/optical,immunological	BNHH
	Protein C activity		BNHH
	Free Protein S antigen		BNHH
	APC resistance		BNHH
	Plasminogen		BNHH
	Alpha-2-antiplasmin		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	Lupus screen: Dilute Russell's Viper Test and confirm	LP-HAE-0473 using Stago STA-R-Max2 mechanical	BNHH
Citrated plasma	Von-Willebrands screen: VWF antigen	LP-COA-STARFAC using STA-R-Max2 chromogenic/mechanical	BNHH
Citrated plasma	Factor assays Factor II Factor V Factor VII Factor VIII (chromogenic) Factor VIII (clotting) Factor IX (clotting) Factor IX (chromogenic)	LP-COA-STARFAC using STA-R-Max2 chromogenic/mechanical LP-HAE-SCQC Stago STA-R-Max2 chromogenic using Sysmex reagent	BNHH BNHH BNHH BNHH BNHH BNHH BNHH BNHH
Citrated plasma	Factor X Factor XI Factor XII		BNHH BNHH BNHH
Citrated plasma	Factor IX (Inhibitor)	LP-COA-STARF9INHIB using Stago STA-R-Max2 mechanical	BNHH
Citrated plasma	Factor VIII Inhibitor	LP-COA-STARF8INHIB using Stago STA-R-Max2 mechanical	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	Anti Xa	LP-COA-ANTXDOAC using Stago STA-R-Max2Stago-R-Max chromogenic	BNHH
Citrated plasma	Reptilase	LP-COA-STARREP using Stago STA-R-Max2 mechanical	BNHH
Citrated plasma	Homocysteine	LP- using Stago DT100 chromogenic/optical using IL reagent	BNHH
Citrated plasma	Factor XIII	LP- Stago DT100 chromogenic using Sysmex reagent	BNHH
Citrated plasma	Dabigatran-anti IIa	LP-COA-STARDBIG using Stago STA-R-Max2 chromogenic	BNHH
Citrated plasma	Ristocetin co-factor activity Platelet aggregation	LP-COA-VWK an 0466 using Bio Data PAP8 aggregometer – optical LP-COA-PLTAGGS using Bio Data PAP8 aggregometer – optical	BNHH
Citrated plasma	Anti-cardiolipins	LP-COA-CARDT4- using Triturus T4 ELISA	BNHH
	Anti β 2 GPI	LP-COA-B2GP1T4 using Triturus T4 ELISA	
	Factor VIII Inhibitory and non inhibitory antibodies (ELISA)	LP-COA-F8INHIBT4 using Triturus T4 ELISA	BNHH
	Heparin Induced Thrombocytopenia	LP-COA-HITST4 using Triturus T4 ELISA	BNHH
	VW collagen binding assay	LP-COA-VWFCB using Triturus T4 ELISA	BNHH
Citrated plasma	VWF Factor VIII binding assay	LP-COA-VWFVIIIIT4 using Triturus T4 ELISA	BNHH
Whole Blood	PFA	LP-COA-PFA using Sysmex PFA100	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 V Leiden	LP-COA-FVLPTMU using Cepheid GeneXpert PCR	BNHH
	Prothrombin gene mutation		BNHH
Citrated whole blood	Whole Blood Aggregation	LP-COA-WBA using Chronolog-Whole blood aggregation with luminescence with nucleotide release	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	Fibrinogen antigen	LP-COA-FIBAG using Radial Immuno Diffusion plate	BNHH
	Antithrombin antigen	LP-COA-ATAG using Radial Immuno Diffusion plate	BNHH
	Protein C antigen	LP-COA-PCAG using Radial Immuno Diffusion plate	BNHH
	<u>General Blood Transfusion</u>	Documented in-house procedures with manufacturer's instructions.	
EDTA plasma	Electronic Cross Match	LP-TRA-EISSUE using Immucor Neo/Echo analysers	BNHH and RHCH
EDTA plasma	Full Cross Match	In-House method LP-TRA-IATXM using BioRad Gel cards	BNHH and 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: A Rh D Positive AB Rh D Positive B Rh D Positive O Rh D Positive A Rh Negative AB Rh D Negative B Rh D Negative O Rh D Negative	LP-TRA-ECHOUSE & NEOUSE using Immucor Neo/Echo analysers, tube grouping, BioRad gel card	BNHH and RHCH
EDTA whole blood	Kleihauer	LP-TRA-KL using Guest Medical Kit Kleihauer stain and light microscopy	BNHH and RHCH
EDTA plasma	Antibody panels Antigens of the following systems: Rh – C,D,E,c,e, C ^w Kell – K, K, Kpa Duffy –Fy ^a , Fy ^b MNSs M, N, S, s Kidd – JK ^a , Jk ^b Lutheran – Lu ^a Lewis – Le ^a , Le ^b P – P1	LP-TRA-IBGPAN & NHSBT using Immucor Neo/Echo analysers and BioRad Gel cards	BNHH and RHCH
EDTA whole blood	DCT	LP-TRA-ECHOUSE, NEO-USE & LP-TRA-DCT using Immucor Neo/Echo analysers and BioRad Gel cards	BNHH and RHCH
EDTA whole blood	Rhesus and K phenotyping Rh – C, D, E, c, e Kell - K	LP-TRA-PHENO using Immucor Neo/Echo analysers and BioRad Gel cards	BNHH and RHCH
HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	Documented in-house procedures and manufacturer's instructions	BNHH



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Serum/Plasma unless otherwise stated	Quantification of:	Documented in-house procedures and manufacturer's instructions for Centaur XP LP-BIO-CENTAUR Chemiluminescence	
Serum, Lithium Heparin Plasma	25 Hydroxy Vitamin D	LP-BIO-CENTAUR	BNHH
	Anti-thyroid peroxidase antibodies (TPO)	LP-BIO-CENTAUR	BNHH
	IgE	LP-BIO-CENTAUR	BNHH
	LH	LP-BIO-CENTAUR	BNHH
	Alpha-fetoprotein	LP-BIO-CENTAUR	BNHH
	B12	LP-BIO-CENTAUR	BNHH
	CA 125	LP-BIO-CENTAUR	BNHH
	CA 15-3	LP-BIO-CENTAUR	BNHH
	CEA	LP-BIO-CENTAUR	BNHH
	Cortisol	LP-BIO-CENTAUR	BNHH
	Ferritin	LP-BIO-CENTAUR	BNHH
	Folate	LP-BIO-CENTAUR	BNHH
	FSH	LP-BIO-CENTAUR	BNHH
	HCG (Non-Downs) (Non Tumour Marker)	LP-BIO-CENTAUR	BNHH
	LH	LP-BIO-CENTAUR	BNHH
	Macroprolactin	LP-BIO-Macromolecules	BNHH
Nt Pro BNP	LP-BIO-CENTAUR	BNHH	
Oestrodial	LP-BIO-CENTAUR	BNHH	

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
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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location code
Serum/Plasma unless otherwise stated	Procalcitonin	LP-BIO-CENTAUR	BNHH
	Progesterone	LP-BIO-CENTAUR	BNHH
	Prolactin	LP-BIO-CENTAUR	BNHH
	PSA (Total)	LP-BIO-CENTAUR	BNHH
	PTH	LP-BIO-CENTAUR	BNHH
	SHBG	LP-BIO-CENTAUR	BNHH
	T3 (Free)	LP-BIO-CENTAUR	BNHH
	T4 (Free)	LP-BIO-CENTAUR	BNHH
	Testosterone	LP-BIO-CENTAUR	BNHH
	Troponin I	LP-BIO-CENTAUR	BNHH
	TSH (Routine)	LP-BIO-CENTAUR	BNHH
	Quantification of:	Documented in-house procedures and manufacturer's instructions with specific reference to Advia 2400 LP-BIO-ADVIOPER	BNHH
Serum, Lithium Heparin Plasma, Urine	Albumin	LP-BIO-ADVIOPER Spectrophotometric – Serum/plasma Immunoturbidimetric – Urine	BNHH
	Alpha 1 antitrypsin	LP-BIO-ADVIOPER Immunoturbidimetric	BNHH
Serum, Lithium Heparin Plasma	Complement C3	LP-BIO-ADVIOPER Immunoturbidimetric	BNHH
	Complement C4	LP-BIO-ADVIOPER Immunoturbidimetric	BNHH
	C-Reactive Protein	LP-BIO-ADVIOPER Immunoturbidimetric	BNHH
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



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Serum/Plasma unless otherwise stated	Quantification of:	Documented in-house procedures and manufacturer's instructions with specific reference to Advia 2400 LP-BIO-ADVIOPER	BNHH
	Digoxin	LP-BIO-ADVIOPER Immunoturbidimetric	BNHH
	IgA	LP-BIO-ADVIOPER Immunoturbidimetric	BNHH
	IgG	LP-BIO-ADVIOPER Immunoturbidimetric	BNHH
	IgM	LP-BIO-ADVIOPER Immunoturbidimetric	BNHH
	RF	LP-BIO-ADVIOPER Immunoturbidimetric	BNHH
	Transferrin	LP-BIO-ADVIOPER Immunoturbidimetric	BNHH
Serum, Lithium Heparin Plasma, Fluoride oxalate plasma	Alcohol (ethanol)	LP-BIO-ADVIOPER Spectrophotometric	BNHH
Serum, Lithium Heparin Plasma	Alkaline Phosphatase	LP-BIO-ADVIOPER Spectrophotometric	BNHH
	ALT	LP-BIO-ADVIOPER Spectrophotometric	BNHH
	Ammonia	LP-BIO-ADVIOPER Spectrophotometric	BNHH
Serum, Lithium Heparin Plasma Urine,	Amylase	LP-BIO-ADVIOPER Spectrophotometric	BNHH
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



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Serum/Plasma unless otherwise stated (cont'd)	Quantification of: (cont'd)	Documented in-house procedures and manufacturer's instructions Advia 2400 LP-BIO-ADVIOPER	BNHH
Serum, Lithium Heparin Plasma	AST	LP-BIO-ADVIOPER Spectrophotometric	BNHH
	Bicarbonate	LP-BIO-ADVIOPER Spectrophotometric	BNHH
	Bile Acids	LP-BIO-ADVIOPER Spectrophotometric	BNHH
	Bilirubin (Total)	LP-BIO-ADVIOPER Spectrophotometric	BNHH
	Bilirubin (Conjugated)	LP-BIO-ADVIOPER Spectrophotometric	BNHH
	Serum, Lithium Heparin Plasma Urine	Calcium	LP-BIO-ADVIOPER Spectrophotometric
Serum, Lithium Heparin Plasma	Cholesterol	LP-BIO-ADVIOPER Spectrophotometric	BNHH
Serum, Lithium Heparin Plasma, Urine,	Creatinine	LP-BIO-ADVIOPER Enzymatic	BNHH
Serum, Lithium Heparin Plasma	Gamma Glutamyl Transferase	LP-BIO-ADVIOPER Spectrophotometric	BNHH
Serum, Lithium Heparin Plasma, Fluoride Oxalate Plasma, Urine,	Glucose	LP-BIO-ADVIOPER Spectrophotometric	BNHH
Serum, Lithium Heparin Plasma	HDL	LP-BIO-ADVIOPER Spectrophotometric	BNHH
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



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location code
Serum/Plasma unless otherwise stated (cont'd)	Quantification of: (cont'd)	Documented in-house procedures and manufacturer's instructions Advia 2400 LP-BIO-ADVIOPER	BNHH
	Iron	LP-BIO-ADVIOPER Spectrophotometric	BNHH
CSF	Lactate	LP-BIO-ADVIOPER Spectrophotometric	BNHH
Serum, Lithium Heparin Plasma, CSF	LDH	LP-BIO-ADVIOPER Spectrophotometric	BNHH
Serum	Lithium	LP-BIO-ADVIOPER Spectrophotometric	BNHH
Serum, Lithium Heparin Plasma, Urine	Magnesium	LP-BIO-ADVIOPER Spectrophotometric	BNHH
Serum, Lithium Heparin Plasma	Paracetamol	LP-BIO-ADVIOPER Spectrophotometric	BNHH
Serum, Lithium Heparin Plasma, Urine	Phosphate	LP-BIO-ADVIOPER Spectrophotometric	BNHH
Serum, Lithium Heparin Plasma	Salicylate	LP-BIO-ADVIOPER Spectrophotometric	BNHH
Serum, Lithium Heparin Plasma, Urine, CSF	Total Protein	LP-BIO-ADVIOPER Spectrophotometric	BNHH
Serum, Lithium Heparin Plasma	Triglyceride	LP-BIO-ADVIOPER Spectrophotometric	BNHH
Serum, Lithium Heparin Plasma, Urine	Urea	LP-BIO-ADVIOPER Spectrophotometric	BNHH
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



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Serum/Plasma unless otherwise stated (cont'd)	Quantification of: (cont'd)	Documented in-house procedures and manufacturer's instructions Advia 2400 LP-BIO-ADVIOPER	BNHH
	Uric acid	LP-BIO-ADVIOPER Spectrophotometric	BNHH
Cerebrospinal Fluid only	CSF Glucose	LP-BIO-ADVIOPER Spectrophotometric	BNHH
	CSF Protein	LP-BIO-ADVIOPER Spectrophotometric	BNHH
Serum, Lithium Heparin Plasma	Gentamicin	LP-BIO-ADVIOPER EMIT	BNHH
	Phenobarbitone	LP-BIO-ADVIOPER EMIT	BNHH
	Phenytoin	LP-BIO-ADVIOPER EMIT	BNHH
	Theophylline	LP-BIO-ADVIOPER EMIT	BNHH
	Valproate	LP-BIO-ADVIOPER EMIT	BNHH
	Vancomycin	LP-BIO-ADVIOPER EMIT	BNHH
Serum, Lithium Heparin Plasma Urine	Chloride	Indirect ISE	BNHH
Serum, Lithium Heparin Plasma, Urine	Potassium	Indirect ISE	BNHH
Serum, Lithium Heparin Plasma, Urine	Sodium	Indirect ISE	BNHH
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



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Serum/Plasma unless otherwise stated	Quantification of: (cont'd)	Documented in-house procedures and manufacturer's instructions Immulite 2000 LP-BIO-IMMULITE	BNHH
	B2M	LP-BIO-IMMULITE Chemiluminescence	BNHH
	CA 19-9	LP-BIO-IMMULITE Chemiluminescence	BNHH
Urine	Porphyrin/Porphobilinogen	Documented in-house procedures and manufacturer's instructions Shimadzu (spectrophotometry) and PBG Test Kit (Biorad). LP-BIO-PORPH	BNHH
Sweat only	Sweat Tests	Documented in-house procedures and manufacturer's instructions Westcor Iontophoresis and Conductivity LP-BIO-MSSWEAT	BNHH
CSF only	Xanthochromia	Documented in-house procedures and manufacturer's instructions Shimadzu Spectrophotometric LP-BIO-XANTH	BNHH
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-SPAPLUS	BNHH
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



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

Hampshire Hospitals NHS Foundation Trust

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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
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 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, LP- BIO-IMMUNOTYPE	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-MINICAP	BNHH
Serum/Plasma unless otherwise stated	Quantification of:	Documented in-house procedures and manufacturer's instructions Werfen Analyser; Bioflash LP-BIO- Bioflash	BNHH
	Coeliac Screen by immunoassay for TTG	LP-BIO-Bioflash Chemiluminescence	BNHH
	Anti-Glomerular Basement Membrane antibodies	LP-BIO-Bioflash Chemiluminescence	BNHH
	Connective tissue Disease antibody screen	LP-BIO-Bioflash Chemiluminescence	BNHH
	Anti-dsDNA antibodies	LP-BIO-Bioflash Chemiluminescence	BNHH
	Anti-myeloperoxidase antibodies	LP-BIO-Bioflash Chemiluminescence	BNHH
	Anti-proteinase 3 antibodies	LP-BIO-Bioflash Chemiluminescence	BNHH
	Anti-ccp	LP-BIO-Bioflash Chemiluminescence	BNHH
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



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Calculi (renal)	FTIR examination of calculi - quantitative measurement of inorganic and organic compounds	Documented in-house procedures and manufacturer's instructions with specific reference to Bruker Tensor 27 Analyser; LP-BIO-FTIR	BNHH
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Winchester (RHCH) – satellite site location	RHCH
Serum/Plasma unless otherwise stated	Quantification of:	Documented in-house procedures and manufacturer's instructions Siemens Manufacturers Analyser: Advia 1800	RHCH
Urine and blood	Albumin	Spectrophotometric - serum, plasma Immunoturbidimetric - Urine LP-CHE-ADV1800	RHCH
	Alcohol (Ethanol)	Spectrophotometric LP-CHE-ADV1800	RHCH
	Alkaline phosphatase	Spectrophotometric LP-CHE-ADV1800	RHCH
	ALT	Spectrophotometric LP-CHE-ADV1800	RHCH
	Ammonia	Spectrophotometric LP-CHE-ADV1800	RHCH
Urine and blood	Amylase	Spectrophotometric LP-CHE-ADV1800	RHCH
	AST	Spectrophotometric LP-CHE-ADV1800	RHCH
	Bicarbonate	Spectrophotometric LP-CHE-ADV1800	RHCH
	Bile Acids	Spectrophotometric LP-CHE-ADV1800	RHCH
	Bilirubin (Total)	Spectrophotometric LP-CHE-ADV1800	RHCH
HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	Winchester (RHCH) – satellite site location	RHCH



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Serum/Plasma unless otherwise stated (cont'd)	Calcium	Spectrophotometric LP-CHE-ADV1800	RHCH
	Chloride	Indirect ISE LP-CHE-ADV1800	RHCH
	Quantification of: (cont'd)	Documented in-house procedures and manufacturer's instructions with specific reference Siemens Manufacturers Analyser: Advia 1800	RHCH
	Cholesterol	Spectrophotometric LP-CHE-ADV1800	RHCH
	CK (Creatine Kinase)	Spectrophotometric LP-CHE-ADV1800	RHCH
	C-Reactive Protein	Immunoturbidimetric LP-CHE-ADV1800	RHCH
	Creatinine	Spectrophotometric LP-CHE-ADV1800	RHCH
	Digoxin	Immunoturbidimetric LP-CHE-ADV1800	RHCH
	Direct Bilirubin	Spectrophotometric LP-CHE-ADV1800	RHCH
	Ethanol	Spectrophotometric LP-CHE-ADV1800	RHCH
	Gamma Glutamyl Transferase	Spectrophotometric LP-CHE-ADV1800	RHCH
	Gentamicin	Spectrophotometric LP-CHE-ADV1800	RHCH
	Glucose	Spectrophotometric LP-CHE-ADV1800	RHCH
	HDL	Spectrophotometric LP-CHE-ADV1800	RHCH
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	Winchester (RHCH) – satellite site location	RHCH



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location code
CSF Serum/Plasma unless otherwise stated (cont'd)	Iron	Spectrophotometric LP-CHE-ADV1800	RHCH
	Lactate	Spectrophotometric LP-CHE-ADV1800	RHCH
	Quantification of: (cont'd)	Documented in-house procedures and manufacturer's instructions with specific reference Siemens Manufacturers Analyser: Advia 1800	RHCH
	LDH	Spectrophotometric LP-CHE-ADV1800	RHCH
	Lithium	Spectrophotometric LP-CHE-ADV1800	RHCH
Urine and Blood	Magnesium	Spectrophotometric LP-CHE-ADV1800	RHCH
	Paracetamol	Spectrophotometric LP-CHE-ADV1800	RHCH
Urine and Blood	Phosphate	Spectrophotometric LP-CHE-ADV1800	RHCH
Urine and Blood	Potassium	Indirect ISE LP-CHE-ADV1800	RHCH
	Salicylate	Spectrophotometric LP-CHE-ADV1800	RHCH
Urine and Blood	Sodium	Indirect ISE LP-CHE-ADV1800	RHCH
Urine and Blood	Total Protein	Spectrophotometric LP-CHE-ADV1800	RHCH
	Transferrin	Immunoturbidimetric LP-CHE-ADV1800	RHCH
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Winchester (RHCH) – satellite site location	RHCH



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location code
Serum/Plasma unless otherwise stated (cont'd)	Quantification of: (cont'd)	Documented in-house procedures and manufacturer's instructions with specific reference Siemens Manufacturers Analyser: Advia 1800	RHCH
	Triglyceride	Spectrophotometric LP-CHE-ADV1800	
Urine and Blood	Urea	Spectrophotometric LP-CHE-ADV1800	RHCH
Blood and Urine	Uric Acid	Spectrophotometric LP-CHE-ADV1800	RHCH
CSF	CSF Protein	Spectrophotometric LP-CHE-ADV1800	RHCH
Serum/Plasma unless otherwise stated	Quantification of:	Documented in-house procedures and manufacturer's instructions with specific reference Siemens Manufacturers Analyser: Centaur XP	
	HCG (Non-Downs) (Non tumour marker)	Chemiluminescence LP-CHE-CENTOP	RHCH
	Progesterone	Chemiluminescence LP-CHE-CENTOP	RHCH
Blood (EDTA)	PTH	Chemiluminescence LP-CHE-CENTOP	RHCH
	Troponin I	Chemiluminescence LP-CHE-CENTOP	RHCH
	Cortisol	Chemiluminescence LP-CHE-CENTOP	RHCH
	Procalcitonin	Chemiluminescence LP-CHE-CENTOP	RHCH
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	Winchester (RHCH) – satellite site location	RHCH



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location code
Serum/Plasma unless otherwise stated (cont'd)	Quantification of: (cont'd)	Documented in-house procedures and manufacturer's instructions with specific reference Siemens Manufacturers Analyser: Centaur XP LP-CHE-CENTOP	RHCH
Urine and Blood	Osmolality	VTech Manufacturers Analyser: Osmometer LP-CHE-OSMO	
HUMAN BODY FLUIDS	<u>Immunology examination activities for the purpose of clinical diagnosis</u>		
Serum	Quantitative Allergy testing	ImmunoCap using Phadia 250 SOP LP-BIO-I250SIGE	
	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 nuts	f202	
	Cashew Ana o3	f443	
	Cat epithelium	e1	
	Cereal mix	fx20	
	Cheese - Cheddar	f81	
	Cheese - Mould type	f82	
	Cherry	f242	
	Chicken	f83	
	Chick Pea	f309	
	Coconut	f36	
	Codfish	f3	
	Crab	f23	
HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>		



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location code
Serum (cont'd)	Quantitative Allergy testing (cont'd) Dog dander Egg (Whole) Egg white Egg yolk Egg Gal d1 Egg Gal d2 Fish mix Food mix Gluten Grass pollen mix Grape Guinea Pig Hamster Hazelnut Hazelnut Cor a1 Hazelnut Cor a8 Hazelnut Cor a9 Hazelnut Cor a14 Horse dander House Dust Mite Kiwi Latex Maize Milk Milk Bos d4 Milk Bos d5 Milk Bos d8 Mould mix Mugwort Nuts mix (fx1) Nuts mix (fx22) Oat Omega 5 Gliadin Oranges Paprika Pea Peanut	ImmunoCap using Phadia 250 SOP LP-BIO-I250SIGE e5 f245 f1 f75 f233 f232 fx74 fx5 f79 gx3 f259 e6 e84 f17 f428 f425 f440 f439 e3 d1 f84 k82 f8 f2 f76 f77 f78 mx1 w6 fx1 fx22 f7 f416 f33 f218 f12 f13	
HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>		



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location code
Serum (cont'd)	Quantitative Allergy testing (cont'd)	ImmunoCap using Phadia 250 SOP LP-BIO-I250SIGE	
	Peanut Ara h1	f422	
	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	
HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>		



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location code
Serum	Quantitative detection of Intrinsic Factor Antibodies	ELIA on Phadia 250 SOP LP-BIO-IFAB	BNHH
Faeces	Quantitative detection Faecal calprotectin	ELIA on Phadia 250 SOP LP-BIO-CPRO	BNHH
Serum	Detection of	Manual Indirect immunofluorescence using Fluorescence microscopy (Nikon Eclipse 50i) LP-BIO-IMMFL	BNHH
	Anti-endomysial antibodies – IgG and IgA		BNHH
	Skin autoantibodies IgG		BNHH
	Anti-nuclear antibodies on Hep2 cell slides		BNHH
	Liver autoantibodies IgG on rodent tissue		BNHH
	ANCA IgG on neutrophil slides		BNHH
	Gastric parietal cell IgG antibody	BNHH	
HUMAN TISSUES AND FLUIDS	<u>Diagnostic Cytopathology</u>		



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<p>Fixed and fresh cellular material and body fluid samples, prepared slides, fine needle aspirates and brushings:</p> <p>Unfixed Preparations: Body fluids, urine, CSFs, aspirates, washings, brushings, sputum Wet fixed preparations: brushings, EUSFNA Air Dried Preparations: Body fluids, CSFs FNA Wet Fixed Preparations: Breast, Thyroid, Lymph nodes, brushings, EUSFNA FNA Air Dried Preparations: Breast, Thyroid, Lymph nodes, EUSFNA</p>	<p>Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis</p>	<p><u>Diagnostic cytology</u> In-house documented procedures in conjunction with manufacturer's instructions using:</p> <p>Sample preparation (Mistral 3000E Centrifuge & Shandon Cytospin 4) LP-CYT-BCFPREP LP-CYT-URIPREP LP-CYT-CSFPREP LP-CYT-BRUPREP LP-CYT-ASPLAV LP-CYT-FNAPREP LP-CYT-SPUTUM</p>	RHCH
	<p>Visualisation of nuclear detail in cells present</p>	<p>LP-CYT-PAPSTAI Papanicolaou stain LP-CYT-H&ESTAIN H&E Stain LP-CYT-HEMAGUR Hema-Gurr Diff Quick stain LP-CYT-CENTRIF LP-CYT-CYTOCEN LP-CYT-SAFECAB LP-CYT-CVRS LPR LP-HIS-PRISMA</p>	RHCH
	<p>Morphological assessment and interpretation/diagnosis</p>	<p><u>Microscopy (qualitative analysis)</u> In-house procedures using light microscopy:</p> <p>LP-CYT-SCRNONG</p>	RHCH / BNHH
<p>HUMAN BODY TISSUE AND FLUIDS</p>	<p><u>Histopathological examination of tissues for the purpose of diagnosis</u></p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with</p>	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location code
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.	manufacturer's instructions for the following methods (where relevant):	
		<u>Macroanalysis, Specimen dissection</u> using: LP-HIS-BMSCUTUP LP-HIS-CONCUT	RHCH BNHH
		<u>Decalcification</u> using: LP-HIS-DECALC	RHCH BNHH
		<u>Tissue processing</u> using: LP-HIS-VIP	RHCH
		<u>Embedding</u> using: Sakura Tissue Embedding Centres LP-HIS-EMBEDHHFT	RHCH
		<u>Frozen sections</u> using: Cryostat Thermo Shandon Cryostat LP-HIS-FROZENHHFT WI-HIS-FROZEN	RHCH
FFPE tissue samples and cell blocks	All tissue components: Nuclei Cytoplasm Muscle fibres Red blood cells Fibrin	<u>Frozen sections</u> using: Cryostar NX50 (Thermo Fisher) LP-HIS-FROZENHHFT WI-HIS-NX50	BNHH
		<u>Microtomy and slide production</u> using: Leica rotary microtomes LP-HIS-MICROTOMY WI-HIS-MICROTOMY	RHCH
HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination of tissues for the purpose of diagnosis</u> (cont'd)	Automated Routine Haematoxylin & Eosin staining using: Sakura H&E staining machine Sakura Prisma and Coverfilm LP-HIS-PRISMA	RHCH
		Macroscopic and Microscopic examination using in house procedures in conjunction with	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location code
FFPE tissue samples and cell blocks and frozen sections	All tissue components: Nuclei Cytoplasm Muscle fibres Red blood cells Fibrin	manufacturer's instructions for the following methods (where relevant): <u>Manual H&E staining</u> using: LP-HIS-PRISMA	RHCH
Frozen section	All tissue components: Nuclei Cytoplasm Muscle fibres Red blood cells Fibrin	<u>Manual H&E staining</u> using: LP-HIS-FROZ	BNHH
FFPE tissue samples and cell blocks	Special staining for identification of: Acid mucins and neutral mucins	<u>Automated Special staining</u> using: Sakura Prisma AB/PASD PAS/D LP-HIS-PRISMA	RHCH
FFPE tissue samples and cell blocks	Special staining for identification of: Acid mucins Acid mucins and neutral mucins Amyloid Elastin and connective tissue Helicobacter Pylori Differentiate between gram positive and negative bacteria Fungi	<u>Special staining using manual techniques</u> Alcian blue WI-HIS-AB Alcian Blue Periodic Acid Schiff (AB PAS) +/- Diastase WI-HIS-ABPAS Congo Red WI-HIS-ALKCR EVG - Miller's Elastic Van Gieson WI-HIS-EVG Giemsa WI-HIS-GIEMSA Gram WI-HIS-GRAM Grocott's Hexamine Silver WI-HIS-GROCOTT	RHCH
HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination of tissues for the purpose of diagnosis</u> (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with	



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FFPE tissue samples and cell blocks (cont'd)	Special staining for identification of: (cont'd) Fibrin Connective tissue Melanin Tissue carbohydrates e.g. glycogen, mucins and fungal cell walls. Demonstration of iron Reticulin Copper associated protein / HepBsAg Mast cells Differentiation of collagen from other connective tissues	manufacturer's instructions for the following methods (where relevant): <u>Special staining using manual techniques</u> Martius Scarlet Blue (MSB) WI-HIS-MSB Masson Trichrome WI-HIS-MASSTRI Masson – Fontana WI-HIS-MFONT PAS +/- diastase WI-HIS-PAS Perls WI-HIS-PERLS Reticulin - silver impregnation technique WI-HIS-RETIC Shikata's Orcein WI-HIS-SHITAKA Toluidine Blue WI-HIS-TOLBLUE Van Gieson Stain WI-HIS-hvg	RHCH
FFPE tissue samples and cell blocks	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of</u>	<u>Automated</u> Immunohistochemical staining - Documented in house methods	RHCH



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location code
	<u>clinical diagnosis</u>		
	Atypical mycobacteria	Wade Fite WI-HIS-WFITE	
	Acid fast Bacilli	Ziehl Neelsen (ZN) WI-HIS-ZN	
	High Molecular Weight Cytokeratin (Cytokeratins 1,5, 10 and 14	34BE12	
	Tumours of epithelial origin	AE1/AE3	
	Anaplastic lymphoma Kinase	ALK-1	
	B cells in mantle zone and interfollicular T cells.	BCL-2	
	Epithelial marker	BerEP4	
	Epithelioid malignancies of the ovary, cervical papillary serous carcinoma, adenocarcinoma of the endometrium, clear cell bladder adenocarcinoma, epithelioid mesothelioma	CA125	
	Mesothelial cell lining	Calretinin	
	Low molecular weight cytokeratin 7 and 8	CAM5.2	
	T-cells and T-cell neoplasms	CD3	
	B & T-cell malignancies	CD5	
	T-cell lymphomas	CD8	
	Early lymphoid cells and various non-lymphoid cells. Aids identification of Burkitt lymphoma and renal cell carcinomas	CD10	
FFPE tissue samples and cell blocks (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of</u>	<u>Automated</u> Immunohistochemical staining - Documented in house methods	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location code
	<u>clinical diagnosis</u> (cont'd) Reed- Sternberg cells – Hodgkin’s lymphoma B-cells (precursors and mature) B-cells and monocytes Reed Sternberg cells, activated B&T-lymphocytes Endothelial cells Endothelial cells, vascular and lymphocytic tumours Leucocytes, lymphoid neoplasms Lymphomas, small cell lung cancer Megakaryocytic differentiation Monocytes, macrophages B-cell neoplasms GISTs, acute myeloid leukemia Intestinal epithelial cells GI tract adenocarcinomas Cells of neuroendocrine origin Simple and non-keratinizing epithelia, tumours of epithelial origin	CD15 CD20 CD23 CD30 CD31 CD34 CD45 (LCA) CD56 CD61 CD68 CD79A CD117 CDX2 CEA CHROMOGRANIN A CK19	
FFPE tissue samples and cell blocks (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of</u>	<u>Automated</u> Immunohistochemical staining - Documented in house methods	



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	<p><u>clinical diagnosis</u> (cont'd)</p> <p>Normal and neoplastic epithelial cells – adenocarcinomas of colon, stomach, pancreas etc.</p> <p>Epithelial basal cells, mesothelioma</p> <p>Normal and neoplastic epithelial cells – adenocarcinomas of breast, lung, endometrium, thyroid</p> <p>Cell cycle regulation. Identification of mantle cell lymphomas</p> <p>Smooth and striated muscle cells Identification and classification of GIST</p> <p>Epithelial cells. Identification and classification of ductal breast carcinomas</p> <p>Secretory epithelial cells, Hodgkin's lymphoma, anaplastic large cell lymphoma</p> <p>Von Willebrand Factor – endothelial cells and megakaryocytes</p> <p>Platelets, Megakaryocytes, histiocytic cells, dermal dendritic cells. Identification dermatofibroma and some vascular neoplasms</p>	<p>CK20</p> <p>CK5/6</p> <p>CK7</p> <p>Cyclin D1</p> <p>Desmin</p> <p>DOG-1</p> <p>E-CADHERIN</p> <p>EMA</p> <p>Factor VIII</p> <p>Factor XIIIa</p>	
FFPE tissue samples and cell blocks (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of</u>	<u>Automated</u> Immunohistochemical staining - Documented in house methods	



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	<p><u>clinical diagnosis</u> (cont'd)</p> <p>Normal human hepatocytes, hepatocellular carcinomas</p> <p>Assessment of HER2 receptor status in invasive breast carcinomas</p> <p>Melanosomes. Identification and classification of malignant melanocytic lesions.</p> <p>IgG4-positive plasma cells. Diagnosis of IgG4 related sclerosing diseases</p> <p>Sex-cord stromal tumours</p> <p>Cells in active phases of the cell cycle. Classification of a variety of tumours</p> <p>Melanocytes. Identification and classification of melanomas</p> <p>Epithelial cells – broad reactivity (simple squamous to stratified squamous). Identification of epithelial cell neoplasms</p> <p>Normal epithelial cells. Identification and classification of neoplasms. Lung adenocarcinoma vs mesothelioma</p> <p>Cells of neuronal and neuroendocrine origin.</p>	<p>Hepatocyte Specific Antigen</p> <p>Her2 (4B5)</p> <p>HMB45</p> <p>IgG4</p> <p>Inhibin</p> <p>KI-67</p> <p>MELAN A</p> <p>MNF116</p> <p>MOC-31</p> <p>NSE</p>	
FFPE tissue samples and cell blocks (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of</u>	<u>Automated</u> Immunohistochemical staining - Documented in house methods	



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Issue No: 012 Issue date: 06 April 2021

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
	<p><u>clinical diagnosis</u> (cont'd)</p> <p>Assessment of receptor expression invasive breast carcinomas</p> <p>Diagnosis of high grade cervical intraepithelial neoplasia, oropharyngeal squamous cell carcinomas</p> <p>Epithelial basal cells. Used for investigation of prostate, breast and lung neoplasms</p> <p>Some epithelial cells of kidney, thyroid and Müllerian organs. Identification and classification of ovarian serous carcinoma, clear cell renal carcinoma and papillary thyroid carcinoma</p> <p>Germ cell neoplasms</p> <p>Assessment of receptor expression in invasive breast carcinomas</p> <p>Prostate secretory and ductal epithelial cells. Neoplasms of prostatic origin</p> <p>Classification of tumours in central and peripheral nervous system, malignant melanocytic tumours, malignant melanoma metastasis</p> <p>Glandular epithelium of prostate. Neoplasms of prostatic origin.</p>	<p>Oestrogen Receptor (ER)</p> <p>P16</p> <p>P63</p> <p>PAX-8</p> <p>PLAP</p> <p>PR</p> <p>PSA</p> <p>S100</p> <p>PSAP</p>	
FFPE tissue samples and cell blocks (cont'd)	<u>Immunohistochemistry (using antibodies) to detect the following for the purposes of</u>	<u>Automated</u> Immunohistochemical staining - Documented in house methods	



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	<p><u>clinical diagnosis</u> (cont'd)</p> <p>Myocardial, skeletal and smooth muscle cells and myoepithelial cells</p> <p>Smooth muscle cells and myoepithelial cells. Classification of breast tumours.</p> <p>Neuroendocrine cells. Classification of neuroendocrine neoplasm</p> <p>Lung and thyroid tissue. Aids in classification of lung and thyroid tumours Thymocytes, resting T-cells, mature activated T-cells. Classification of T-cell neoplasms</p> <p>Cells of mesenchymal origin and tumours of mesenchymal origin</p> <p>Identification of Wilms' tumours, malignant mesothelioma</p> <p>Hepatocellular carcinomas, yolk sac tumours, mixed germ cell tumours</p> <p>Identification of human DNA mismatch repair proteins MLH-1, MSH-2, MSH-6 and PMS-2. Classification of colorectal tumours..</p>	<p>Smooth Muscle Actin</p> <p>Smooth Muscle Myosin</p> <p>Synaptophysin</p> <p>TTF-1</p> <p>UCHL-1 (CD45R0)</p> <p>Vimentin</p> <p>WT-1</p> <p>Alpha fetoprotein</p> <p>MLH-1 MSH2 MSH-6 PMS-2</p>	
Slides prepared in house from samples listed above	<u>Morphological assessment and interpretation/diagnosis</u>	<u>Microscopy (qualitative analysis) using:</u>	BNHH RHCH



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location code
Lymph node tissue	Detect the expression level of Cytokeratin 19 mRNA normally not present in lymph node tissue	Leica/Nikon microscopes Consultant reporting SOP 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
END			