


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>8646</p> <p>Accredited to ISO 15189:2012</p>	<h3>Integrated Pathology Solutions LLP</h3> <p>Issue No: 008 Issue date: 14 February 2020</p>	
	<p>Pathology Department Fewston Wing Harrogate District Hospital Lancaster Park Road Harrogate North Yorkshire HG2 7SX</p>	<p>Contact: Andrew Jackson Tel: +44 (0)1423 555842 E-Mail: andrew.jackson20@nhs.net Website: www.hdft.nhs.uk/our-services/department-service-g-z/pathology/</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Testing locations:

Location details	Activity	Location code
<p>Pathology Laboratory Fewston Wing Harrogate District Hospital Lancaster Park Road Harrogate North Yorkshire HG2 7SX</p> <p>Local contact Andrew Jackson</p>	<p>Biochemistry Haematology Blood Transfusion Histopathology & non-gynae cytology Microbiology</p>	A
<p>Hospital Wards Address Harrogate District Hospital Lancaster Park Road Harrogate North Yorkshire HG2 7SX</p> <p>Local contact Dr Sarah Glover</p>	<p>Point of Care Testing Clinical Chemistry</p>	B
<p>Hospital Wards Address Ripon Community Hospital Firby Lane Ripon HG4 2PR</p> <p>Local contact Dr Sarah Glover</p>	<p>Point of Care Testing Clinical Chemistry</p>	C
<p>Off site Clinics: Address Gastro Follow up clinic Wharfedale Hospital Newall Carr Road Otley Leeds LS21 2LY</p> <p>Local contact Dr Sarah Glover</p>	<p>Point of Care Testing Clinical Chemistry</p>	D



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Location details	Activity	Location code
<p>Off site Clinics (cont'd):</p> <p>Address Surgical OP Wetherby Health Centre Hallfield Lane Wetherby Leeds LS22 6JS</p> <p>Local contact Dr Sarah Glover</p>	Point of Care Testing Clinical Chemistry	D
<p>Address Surgical OP Alwoodly Medical Centre Saxon Mount Leeds LS17 5DT</p> <p>Local contact Dr Sarah Glover</p>	Point of Care Testing Clinical Chemistry	D
<p>Address Surgical OP Yeadon Health Centre 17 South View Road Yeadon Leeds LS9 7PS</p> <p>Local contact Dr Sarah Glover</p>	Point of Care Testing Clinical Chemistry	D
<p>Hospital Clinics</p> <p>Address Harrogate District Hospital Lancaster Park Road Harrogate North Yorkshire HG2 7SX</p> <p>Local contact Dr Sarah Glover</p>	Point of Care Testing Clinical Chemistry	E
<p>Domicillary</p> <p>Address Patients homes</p> <p>Local contact Dr Sarah Glover</p>	Point of Care Testing Clinical Chemistry	F



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Additional site activities performed at main location listed above:

Location details	Activity
Harrogate District Hospital Lancaster Park Road Harrogate North Yorkshire HG2 7SX	Phlebotomy
On-site Mortuary and Body Store	Storage of bodies Record keeping (body identification and audit trail)

Site activities performed away from the main laboratory location listed above:

Location details	Activity
BMI The Duchy Hospital Queens Road Harrogate Yorkshire HG2 0HF	Blood storage only Fridge managed by laboratory



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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>Examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant	A
Serum (SST)	<u>Biochemistry</u> ALT Albumin Alkaline Phosphatase AFP Tumour marker AFP Tumour marker Ammonia Amylase AST Bicarbonate B12 B2M Bile Acids Bilirubin Total Bilirubin Direct Calcium Carbamazepine CA125 CA15-3 C.E.A. Chloride Cholesterol Citrullinated C-peptide C3 C4 Cortisol C-Reactive Protein Creatine Kinase Creatinine Digoxin Ferritin Folate, Serum FSH Free T3 Free T4 Gamma GT Gentamicin Haptoglobin H.C.G.	Cobas 8000 using suppliers methods and measurement by ion selective electrodes, photometry and chemiluminescence BS-LP-002 USE OF COBAS 8000	



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HUMAN BODY FLUIDS (cont'd)	<u>Examination activities for the purpose of clinical diagnosis</u> (cont'd)		A
Serum (SST) (cont'd)	<u>Biochemistry</u> (cont'd) H.D.L. Cholesterol IGA IgE Immunoglobulins Lactate LDH LH Lithium Oestradiol Phenytoin Phosphate Potassium Progesterone Prolactin PSA Rheumatoid Factor Salicylate Serum Iron SHBG Sodium Testosterone Theophylline TPO Ab TSH Total Protein Transferrin Triglycerides Urea Uric Acid Vancomycin Vitamin D	Cobas 8000 using suppliers methods and measurement by ion selective electrodes, photometry and chemiluminescence BS-LP-002 USE OF COBAS 8000	
Fluoride Oxalate SST or Fluoride Oxidase Heparin EDTA plasma Heparinised SST Trace element free tube	Alcohol Glucose NT pro BNP Parathyroid Hormone (Intact) Troponin T Zinc		
CSF	Glucose Protein		



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HUMAN BODY FLUIDS (cont'd)	<u>Examination activities for the purpose of clinical diagnosis</u> (cont'd)		A
	<u>Biochemistry</u> (cont'd)		
Urine	Albumin Alcohol Amylase Calcium Creatinine Magnesium Microalbumin Phosphate Potassium Protein Sodium Urea Uric Acid	Cobas 8000 using suppliers methods and measurement by ion selective electrodes, photometry and chemiluminescence BS-LP-002 USE OF COBAS 8000	
Serum Urine	Osmolality	Vitech 3200 suppliers method and measurement by freezing point depression CP-LP-MT-OSM	
CSF	Xanthochromia	Varian Cary 50B, suppliers method and measurement by spectrophotometry CP-LP-MT-CSFS	
Sweat	Sweat test	Sweatcheck 3120 supplier method measurement by conductivity and sherwood 926s, suppliers method measurement by colorimetry CP-LP-MT-STEST	
Serum SST	Serum Protein Electrophoresis: Monoclonal protein band detection and quantitation	Sebia Minicap, supplier method measurement by capillary electrophoresis CP-LP-MT-EPS	



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HUMAN BODY FLUIDS (cont'd)	<u>Examination activities for the purpose of clinical diagnosis</u> (cont'd)		A
	<u>Biochemistry</u> (cont'd)		
Serum SST	Monoclonal protein band identification and quantitation	Sebia Hydrasys, supplier method measurement by gel electrophoresis/Immunofixation CP-LP-MT-SFIX	
Serum SST	Alkaline Phosphatase Isoenzymes: <ul style="list-style-type: none"> • Placental • Bone • Liver Epithelial	Sebia Hydrasys, supplier method measurement by gel electrophoresis/I Lectin binding CP-LP-MT-APIS	
Urine	Bence Jones Protein: Monoclonal protein band identification and quantitation	Sebia Hydrasys, supplier method measurement by gel electrophoresis/Immunofixation CP-LP-MT-UFIX CP-LP-MT-UHR	
Whole blood EDTA	Glycated Haemoglobin	TOSOH G8 supplier method measurement by HPLC CP-LP-MT-G8	
	<u>Haematology</u>		
Whole blood EDTA	White Blood Cell Count (total) Neutrophil Count Lymphocyte Count Monocyte Count Eosinophil Count Basophil Count Haemoglobin Red Cell Count Platelet Count Mean Cell Volume Reticulocyte Count Nucleated Red Cell Count	Sysmex 2100xe supplier methods and measurement by; fluorescent flow cytometry, calorimetry, light scatter, direct current and impedance HM-LP USE OF SYSMEX XE-2100	
Whole blood EDTA	Sickle Screen	Strek Sickledex suppliers method and measurement by optical reading of opacity HM-LP-038	



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HUMAN BODY FLUIDS (cont'd)	<u>Examination activities for the purpose of clinical diagnosis (cont'd)</u>		A
	<u>Haematology (cont'd)</u>		
Whole blood EDTA	Blood Films: Morphology Intra-erythrocytic Parasites	Light microscopy HM-LP-035 HM-LP-037	
Bone Marrow EDTA	Bone Marrow Films	HM-LP-051	
EDTA plasma	Epstein-Barr Virus (EBV) antibodies (Infectious Mononucleosis screen)	Clearview IM screen suppliers method and measurement by membrane diffusion antibody reaction HM-LP-036	
Citrated plasma	PT – INR APTT Derived Fibrinogen D-Dimer Fibrinogen Clauss	Sysmex cs2100i suppliers methods and measurement by photo optical clot detection HM-LP-103	
EDTA Blood	Differential detection of <i>Plasmodium falciparum</i> and pan-detection of other Plasmodium species: <i>Plasmodium malariae</i> , <i>Plasmodium falciparum</i> , <i>Plasmodium ovale</i> & <i>Plasmodium vivax</i>	Apacor CareStart Malaria kit using combined HRP2/pLDH (Pan) technology HM-LP-037	



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HUMAN BODY FLUIDS (cont'd)	<u>Examination activities for the purpose of clinical diagnosis</u> (cont'd)		A
Sodium Citrate Blood	<u>Haematology</u> (cont'd) Erythrocyte Sedimentation Rate	Manual ESR rack to determine the rate that erythrocytes separate from human plasma HM-LP-108 Associated docs: HM-LF-108a HM-LF-108b HM-LI-108.	
	<u>Blood Transfusion</u>	Automated – Grifols Erytra Eflexis analysers BS-BT-LP-051 Manual - Erytra card incubator, card centrifuge and interfaced DG card reader BS-BT-LP-025	
Whole blood EDTA	Blood group ABO Rh D	Automated & Manual BS-BT-LP-016 Full Group: DG Gel ABO/Rh ("D") + K cards, Serigrup Diana A1 B cells BS-BT-LP-052 Confirmation Group: DG Gel Confirm P cards BS-BT-LP-052 Cord & Neonatal: DG Gel Newborns cards BS-BT-LP-013	
	Red cell antibody screen: C, E, c, e, K	Automated & Manual DG Gel Coombs AHG cards, Serascan Diana 3 screening cells BS-BT-LP-016	
	Extended Rh phenotyping: C, c, E, e	Automated & Manual DG Gel Rh Pheno cards BS-BT-LP-052	



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion</u> (cont'd)	Automated – Grifols Erytra Eflexis analysers BS-BT-LP-051 Manual - Erytra card incubator, card centrifuge and interfaced DG card reader BS-BT-LP-025	A
	Red cell antibody identification C, E, c, e, K	Automated & Manual DG Gel Coombs AHG cards, DG Gel Neutral, Identisera Diana panel cells & Identisera Diana P enzyme panel cells BS-BT-LP-025 BS-BT-LP-030	
	Crossmatch	Automated & Manual DG Gel Coombs AHG cards BS-BT-LP-011	
	Direct Antiglobulin test	Automated & Manual DG Gel Coombs AHG cards BS-BT-LP-009	
	Monospecific Direct Antiglobulin test;	Manual DG Gel Scan mono DAT cards BS-BT-LP-009	
Whole blood EDTA	Kleihauer estimation of Foetal/Maternal haemorrhage (FMH) via count of foetal cells in maternal blood film/calculation of total bleed (ml) Screen only performed	Source BioScience FMH kit suppliers method and detection by microscopy following alkali denaturation to detect foetal cells and calculation of bleed. Screen only BT-LP-035	



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<p>HUMAN BODY FLUIDS AND TISSUES</p> <p>Swabs (nasal, wound, neonatal, throat, mouth, genital, eye, ear, superficial wounds & skin), corneal scrapings, sputum, pleural fluid, bronchoalveolar samples, urine, tissues and biopsies, CSF, synovial fluids, fluids from normally sterile sites, intravascular cannulae</p>	<p><u>Microbiology examination activities for the purpose of clinical diagnosis</u></p> <p>General isolation and characterisation of micro-organisms of clinical significance</p>	<p>In house documented methods following related PHE Standards for Microbiology Investigations (SMIs) and incorporating manufacturers' instructions where relevant</p> <p>Manual culture, Nasal swabs MB-LP-BSOP5 Pus and exudate MB-LP-BSOP14 Throat swabs MB-LP-BSOP9 Mouth swabs MB-LP-BSOP4</p> <p>Bacterial Eye infections MB- MB-LP-BSOP2 Ear swabs MB-LP-BSOP1 Superficial wounds and skin MB-LP-BSOP11</p> <p>Using manual culture, Investigation of sputum, pleural fluid, BAL & associated specimens MB-LP-BSOP57 Investigation of Urine MB-LP-BSOP41</p> <p>Investigation of tissues and biopsies MB-LP-BSOP17 Investigation of CSF MB-LP-BSOP27 Investigation of Fluids from Normally Sterile Sites MB-LP-BSOP 26 Investigation of Intravascular cannulae MB-LP-BSOP122</p>	A
<p>Genital swabs</p>	<p>General isolation and characterisation of micro-organisms of clinical significance Diagnosis of Bacterial vaginosis</p>	<p>Genital Culture MB-LP-BSOP28</p> <p>Using HAYS criteria by Gram staining microscopy MB-LP-BSOP28</p>	



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Faeces</p> <p>Whole blood</p> <p>Bacterial culture isolates produced by the laboratory</p>	<p><u>Microbiology examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Isolation and characterisation bacterial pathogens: <i>Salmonella</i> sp. <i>Shigella</i> spp. <i>Campylobacter</i> spp. <i>Escherichia coli</i> O157 <i>Vibrio</i> spp. <i>Yersinia</i> spp.</p> <p>Detection of microbial growth and general isolation and characterisation of micro-organisms of clinical significance</p> <p>Antibiotic susceptibility testing (including screening for ESBL and other multi resistant organisms)</p>	<p>In house documented methods following related PHE Standards for Microbiology Investigations (SMIs) and incorporating manufacturers' instructions where relevant</p> <p>Manual culture Investigation of faeces for pathogens MB-LP-BSOP30</p> <p>Liquid culture using Bactec 9240 MB-LP-BSOP37</p> <p>EUCAST (manual disc diffusion) MB-LP-BSOP45, MB-LI-BGESBL</p>	<p>A</p>



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented methods following related PHE Standards for Microbiology Investigations (SMIs) and incorporating manufacturers' instructions where relevant	A
Bacterial and fungal culture isolates produced by the laboratory	Identification of micro-organisms of clinical significance	API kits, MB-LP-BSOFTP62 Catalase test MB-LP-BSOFTP8 coagulase test MB-LP-BSOFTP10 DNase test MB-LP-BSOFTP12 oxidase tests MB-LP-BSOFTP26 staining/microscopy MB-LP-BSOP109 Germ tube test MB-LP-BSOFTP51 Prolex Streptococcal Grouping kit MB-LP-BSOFTP52 Urease test MB-LP-BSOFTP61	
Nose swabs	Isolation of MRSA	Supporting bacterial identification SOPs: MB-LP-BSOPID 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 16, 17, 18, 20, 22, 24, 25, 26 & 27 Manual chromogenic culture MRSA screening swabs MB-LP-BSOP29	



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis (cont'd)</u>		A
Urine	Detection and quantification of red cells, white cells, epithelial cells, bacteria and yeasts	UF1000 by flow cytometry Investigation of urine MB-LP-BSOP41 MB-LP-BSOP145 Manual using Kova slides MB-LP-BSOP41 MB-LI-BGurine MB-LI-BSOP41 MB-LI-BGUF1000	
CSF	Detection, identification and quantification (inc. differential) of: White blood cells Red blood cells Bacterial and fungal cells	Microscopy (stained and unstained, inc. Gram and differential) MB-LP-BSOP27	
Synovial fluid	Presence of crystals	Microscopy MB-LP-BSOP26	
Sputum, Pleural fluid, bronchoalveolar samples (urgent samples only)	Screening for acid-alcohol fast bacilli	Microscopy (urgent only) using auramine stains Investigation of Specimens for Mycobacterium sp MB-LP-BSOP40 Staining Procedures MB-LP-BSOP109 Manual immunochromatographic membrane assays:	
Urine	Detection of <i>Legionella pneumophila</i> serotype 1 antigen	Binax Now kit by Alere MB-LP-VSOP 5	
Urine & CSF	Detection of pneumococcal soluble Antigen	Binax Now kit by Alere MB-LP-VSOP 6	
Respiratory samples	Detection of RSV fusion protein antigen	Binax Now kit by Alere MB-LP-VSOP 7	



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Microbiology examination activities for the purpose of clinical diagnosis (cont'd)</u>		A
Faeces	Detection of <i>Clostridium difficile</i> GDH antigen	Techlab C Diff Chek kit by Alere MB-LP-BSOPTP66	
Faeces	Rota/Adenovirus antigen detection	GastroVir strip by Coris MB-LI-BSOP30A	
	<u>Molecular examination activities for the purpose of clinical diagnosis</u>		A
Urines and genital swabs	Detection of <i>Chlamydia trachomatis</i> and <i>Neisseria gonorrhoea</i> rRNA	Hologic Panther Aptima Combo 2 assay Molecular: transcription – mediated amplification of the RNA target detected by hybridisation and real time fluorescence MB-LP-MSOP3	
Faeces	Detection of organisms carrying Carbapenase enzyme (CPE) C. difficile toxin B gene	Cepheid GeneXpert using real time PCR MB-LP-BSOP67	



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Serological examination activities for the purpose of clinical diagnosis</u>	Documented -in-house methods to meet the requirements of the Infectious diseases in pregnancy (IDPS) screening programme(s) as defined in the July 2018 Infectious diseases in pregnancy screening: laboratory QA evidence requirements (tests marked *)	A
Serum	Hep A total antibody Hep A IgM Hep B antibody Hep B surface antigen* Hep C antibody HIV-1 antibodies, HIV-1 p24 antigen and HIV-2 antibodies* Rubella IgG Treponema pallidum antibodies*	DiaSorin Liaison XL using chemiluminescence MB-LP-VSOPLIAISON	
Faeces	<u>Parasitology examination activities for the purpose of clinical diagnosis</u> Isolation and identification of faecal ova, cysts and parasites.	Concentration method and microscopy MB-LP-BSOP31	A
Hair, skin and nails	<u>Mycology examination activities for the purpose of clinical diagnosis</u> Examination for superficial mycoses	Manual culture MB-LP-BSOP39 Potassium hydroxide test & microscopy MB-LP-BSOFTP30	A



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<p>HUMAN BODY FLUIDS AND TISSUES (cont'd)</p> <p>Fine Needle Aspirations, Sputa, Bronchial Washings, Bronchial Brushings, Urines, Joint, Cyst And Serous Fluids, Serous Effusions</p> <p>Slides prepared in house as above</p>	<p><u>Examination in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</u></p> <p><u>Cytopathology</u></p> <p>Staining for the purposes of:</p> <p>Acid mucins</p> <p>Mucins</p> <p>Glycogen</p> <p>Cell differentiation Morphology</p> <p>Microorganisms</p> <p>Morphological assessment and interpretation/diagnosis</p>	<p>Macroscopic and Microscopic examination:</p> <p>Documented in house methods incorporating manufacturers' instructions where relevant:</p> <p>Centrifugation: BS400 centrifuge Thermo Fisher cytospin 4 HP-LP-013</p> <p>Automated staining using Thermo fisher gemini: Papanicalou Stain H&E</p> <p>Alcian blue</p> <p>AB/PAS for mucins</p> <p>Pas Technique (+/- diastase digestion)</p> <p>Manual staining: Giemsa Rapid Diff method</p> <p>HP-LP-013</p> <p>Microscopy HP-LP-021</p>	<p>A</p>



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Examination in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</u>	Macroscopic and Microscopic examination:	A
Tissue samples	<u>Histopathology</u>	<p>Documented in house methods incorporating manufacturers' instructions where relevant:</p> <p>Specimen dissection HP-LP-004 (Consultant) HP-LP-027 (BMS)</p> <p>Decalcification Of Calcified Specimens HP-LP-006</p> <p>Tissue processing Leica ASP300S & Sakura VIP6 HP-LP-007</p> <p>Embedding Leica EG1150H&EG1150C Tissue Tek 3 HP-LP-008</p> <p>Microtomy Leica RM2235 and Sakura acc-cut microtomes HP-LP-009</p> <p>Frozen section and intra operative procedures Leica CM1860 UV cryostat HP-LP-012</p> <p>Haematoxylin and Eosin stain Automated: Thermo fisher gemini Thermofisher clearvue HP-LP-010</p> <p>Manual rapid H&E (frozen sections only) HP-LP-010</p>	
	Routine staining for identification of basophilic and eosinophilic structures		



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HUMAN BODY FLUIDS AND TISSUES (cont'd)	<u>Examination in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</u> (cont'd)	Macroscopic and Microscopic examination:	A
Tissue samples (cont'd)	<u>Histopathology</u> (cont'd)	Documented in house methods incorporating manufacturers' instructions where relevant:	
	Special staining to identify the following:	Special stains Manual: HP-LP-010 HP-LI-010	
	Amyloid	Congo Red	
	Elastic fibres	Elastic Van Gieson/H&E	
	Reticulin fibres	Reticulin Stain	
	Bacteria	Gram Stain	
	Fungi	Grocott Methanamine Silver	
	Fibrin	Martius Scarlet Blue technique	
	Melanin	Masson Fontana	
	Connective tissue	Masson Trichrome	
	Helicobacter pylori	Modified Giemsa Stain	
	Ferric iron	Perl's Prussian Blue reaction	
	Hepatitis b inclusion bodies	Shikata Orcein method	
	Mast cells	Toluidine Blue method	
	Special staining to identify the following (cont'd):	Special stains Manual: HP-LP-010 HP-LI-010	
	Connective tissue	Haematoxylin Van Gieson technique	
	Spirochaetes	Warthin-Starry method	
	Acid fast bacilli	Ziehl-Neelsen stain	



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HUMAN BODY TISSUE AND FLUIDS (cont'd) Tissue samples and cell blocks	<u>Examination in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)</u> <u>Histopathology (cont'd)</u> Immunochemistry for the identification of: Normal & Abnormal epithelial cells Epithelial cell types Malignant ovarian epithelial cells, seminal vesical carcinoma & anaplastic lymphoma Leucocyte differentiation GI Tract tumours Normal & Abnormal epithelial lineage Tissues of neuroendocrine origin Mesothelioma, prostate carcinoma Normal and neoplastic epithelia Squamous cell carcinomas, metaplastic carcinomas of the breast Gastric and intestinal epithelium, urothelium and Merkel Cells Normal duct epithelial cells, ductal carcinoma	Immunohisto/cytochemical staining Automated Ventana Benchmark Ultra HP-LP-011 AE1/3 BER-EP4 CA125 CD56 CDX2 CEA CHROMOGRANIN A CK5/6 CK7 CK14 CK20 E-CADHERIN	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location code
HUMAN BODY TISSUE AND FLUIDS (cont'd) Tissue samples and cell blocks (cont'd)	<p><u>Examination in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)</u></p> <p><u>Histopathology (cont'd)</u></p> <p>Immunochemistry for the identification of:</p> <p>Many carcinomas – normal and neoplastic cells from various tissues</p> <p>Estrogen Receptor antigen</p> <p>Breast Carcinoma</p> <p>Classification of melanomas</p> <p>Leucocytes</p> <p>Primary and metastatic malignant melanoma</p> <p>Benign and malignant prostatic or breast lesions, differentiation of lung squamous cell carcinoma and lung adenocarcinoma</p> <p>Prostate secretory and ductal epithelium</p> <p>Melanomas, neural cells</p> <p>Smooth Muscle Cells</p> <p>Visceral and vascular smooth muscle cells, myoepithelial cells</p>	<p>Immunohisto/cytochemical staining Automated Ventana Benchmark Ultra HP-LP-011</p> <p>EMA</p> <p>ESTROGEN RECEPTOR</p> <p>GCDFP-15</p> <p>HMB45</p> <p>CD45 (LCA)</p> <p>MELAN A</p> <p>P63</p> <p>PSA</p> <p>S100</p> <p>SMA</p> <p>SMM</p>	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location code
<p>HUMAN BODY TISSUE AND FLUIDS (cont'd)</p> <p>Tissue samples and cell blocks (cont'd)</p>	<p><u>Examination in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)</u></p> <p><u>Histopathology (cont'd)</u></p> <p>Immunochemistry for the identification of:</p> <p>Mesothelioma</p> <p>Neoplasms of lung and thyroid, mesothelioma</p> <p>Wilm's Tumour</p>	<p>Immunohisto/cytochemical staining Automated Ventana Benchmark Ultra HP-LP-011</p> <p>THROMBOMODULIN</p> <p>TTF1</p> <p>WT1</p>	<p>A</p>



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location code
HUMAN BODY TISSUE AND FLUIDS (cont'd)	<u>Provision of Point of Care testing in accordance with ISO 22870: 2016 related to the following:</u>		
Whole blood	Blood Gas and associated tests: Blood Gases (pH, pCO ₂ and pO ₂) Electrolytes (Na ⁺ , K ⁺ , Ca ²⁺) Co-oximetry (O ₂ Hb, COHb, MetHb) Glucose, lactate, haematocrit (Hct), total Hb (tHb)	Werfen Gem 5000 Blood Gas analyser PC-LP-023	B
Whole blood	Glucose/Ketones (inclusive of sampling)	Freestyle Precision Pro PC-LP-005	B, C, D
Whole blood	HbA1C (inclusive of sampling)	Afinion PC-LP-009	E
Urine	Screen: blood, glucose, ketone, protein, SG, pH, urobiligen, bilirubin, ascorbic acid, nitrites and leucocytes (inclusive of sampling)	Urilyzer 100 Pro/Urine dipstick PC-LP-013	B, C, D
Whole blood	Blood Gas and associated tests: Blood Gases (pH, pCO ₂ and pO ₂), glucose, lactate	EPOC PC-LP-012	F

(See Appendix 1 for details of accredited examinations at location types B - E)

END



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Appendix 1

B Harrogate Hospital Wards	Glucose / Ketones	Urine Dipstick	Blood Gas
AE	x	x	
Medical Short Stay MSS	x	x	
ANC	x	x	
Byland Ward	x	x	
CAT Clinic	x		
Cardiac Rehab Nurses (above Farndale)	x		
Medical Assesment Unit MAU	x	x	x (Gas, electrolytes, co-oximetry, glucose, lactate, Hct, tHb)
Clinical Investigations	x	x	
Day Surgery Surgery /DS Recovery /Eye pre Assessment / Ophthalmology	x	x	
Diabetes centre	x		
Elmwood	x	x	
Endoscopy	x		
Farndale	x	x	
Granby	x	x	
Harlow Ward	x	x	
Heart Centre	x		
ITU	x	x	x (Gas, electrolytes, glucose, lactate, tHb, Hct)
Jervaulx	x	x	
Labour Ward	x	x	x (Gas, tHb, Hct)
Lascelles rehabilitaion Unit	x		
Littondale Ward	x	x	
MDU / Dermatology	x	x	
Nidderdale Ward	x	x	
Oakdale Ward	x	x	
OPD inc. Eye Clinic	x		
OPD1		x	
OPD2		x	
Pannal Ward	x	x	
Phoenix Unit	x		
Podiatry	x		
Pre-Assessment Unit	x	x	
Radiology	x		
Recovery	x		
Resus			x (Gas, electrolytes, co-oximetry, glucose, lactate, Hct, tHb)



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Resuscitation Training	x		
B Harrogate Hospital Wards (cont'd)	Glucose / Ketones	Urine Dipstick	Blood Gas
SCBU	x		x (Gas, electrolytes, glucose, lactate, tHb, Hct)
SROMC Unit	x	x	
Elective Admissions	x		
Wensleydale ward	x	x	
Woodlands	x	x	

C Ripon Hospital Wards	Glucose / Ketones	Urine Dipstick
Minor Injuries Unit	x	x
Ripon ANC		x
Ripon OPD		x
Trinity Ward	x	x

D Off Site Clinics	Glucose/ Ketones	Urine Dipstick
Outpatient clinic, Wharfedale Hospital	x	
Outpatient clinic, Wetherby Health Centre		x
Outpatient clinic, Alwoodley Medical Centre		x
Outpatient clinic, Yeadon Health Centre		x

E Harrogate Hospital Clinics	HbA1c
Diabetes centre	x
Paediatric OP	x