


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>9133</b></p> <p>Accredited to ISO 15189:2012</p>	<p><b>Gateshead Health NHS Foundation Trust</b> operating as <b>South of Tyne &amp; Wear Clinical Pathology Services</b></p> <p><b>Issue No: 001    Issue date: 28 September 2018</b></p>	
	<p><b>Sheriff Hill</b> <b>Gateshead</b> <b>Tyne &amp; Wear</b> <b>NE9 6SX</b></p>	<p><b>Contact: Tracey Chrystal</b> <b>Tel: +44 (0)191 4456508</b> <b>E-Mail: tracey.chrystal1@nhs.net</b> <b>Website: qegateshead.nhs.uk</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
<p><b>Address</b> Queen Elizabeth Hospital Gateshead Health NHS Foundation Trust Sheriff Hill Gateshead Tyne &amp; Wear NE9 6SX</p> <p><b>Local contact</b> Tracey Chrystal  As above</p>	<p>Biochemistry Haematology, Blood Transfusion Blood/product storage/issue Microbiology Serology Immunology Histopathology Cytopathology Andrology</p> <p>Management of Point of Care Testing Provision – Clinical Chemistry Clinical Haematology Clinical Microbiology</p>	A



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**Site activities performed away from the locations listed above:**

Location details	Activity	Location code
City Hospitals Sunderland Kayll Road Sunderland Tyne & Wear SR4 7TP  Local contact Tracey Chrystal  As above	Biochemistry Haematology, Blood Transfusion Blood/product storage/issue Andrology Point of Care Testing Clinical Chemistry, Haematology	B
South Tyneside General Hospital Harton Lane South Shields Tyne & Wear NE34 OPL  Local contact Tracey Chrystal  As above	Biochemistry Haematology, Blood Transfusion Blood/product storage/issue Body Store Point of Care Testing Clinical Chemistry, Haematology	C
Queen Elizabeth Hospital Bowel Screening Hub and Point of Care Centre Sheriff Hill Gateshead Tyne & Wear NE9 6SX  Local contact Tracey Chrystal  As above	Bowel Screening Service	D
Sunderland Eye Infirmary Queen Alexandra Road Sunderland SR2 9HP  Local contact Tracey Chrystal  As above	Point of Care Testing Clinical Chemistry	E
Queen Elizabeth Hospital Sheriff Hill Gateshead Tyne & Wear NE9 6SX  Local contact Tracey Chrystal  As above	Mortuary Services/Body Store	
City Hospitals Sunderland Kayll Road Sunderland Tyne & Wear SR4 7TP  Local contact Tracey Chrystal  As above	Mortuary Services/Body Store	



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Location details	Activity	Location code
South Tyneside General Hospital Harton Lane South Shields Tyne & Wear NE34 OPL  Local contact Tracey Chrystal  As above	Mortuary Services/Body Store	
Queen Elizabeth Hospital Theatres Gateshead Health NHS Foundation Trust Sheriff Hill Gateshead Tyne & Wear NE9 6SX  Local contact Tracey Chrystal  As above	Blood storage/issue	



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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 FLUIDS & TISSUES	<p><u>Pathological examination activities for the purpose of clinical diagnosis</u></p> <p><b><u>Clinical Biochemistry</u></b></p> <p><u>Routine Chemistries:</u></p>	<p>Documented in-house procedures with manufacturer's instructions</p> <p>Roche Cobas c502 and c702 analysers Measurement Principle: Spectrophotometry (End-point, Rate and Immunoturbidimetric) and Ion Selective Electrodes</p> <p>Main SOP reference(s): BC-AUT-SOP-008.ST Roche Cobas C6000 Series BC-AUT-SOP-023.QE.SR Roche Cobas C8000 Series BC-AUT-SOP-030.UN Roche Cobas &amp; SWA Analyte SOPs BC-AUT-SOP-020.QE.SR Cobas Link e-Library</p> <p>Non-Roche methods: Buprenorphine analysis on Cobas c702 BC-AUT-SOP-038.QE Bile Acids on Cobas c702 BC-AUT-SOP-037.SR.QE Direct Bilirubin (Waco) c502/c702 BC-AUT-SOP-009.ST Gentamicin (CEDIA) c702 BC-AUT-SOP-006.UN Serum ACE c702 BC-AUT-SOP-045</p>	
Blood, unless specified and Urine	<p>A1AT Albumin (inc urine) ACE ALT ALP Amylase(pancreatic)</p>		<p>A, B A, B, C A A, B, C A, B, C A, B, C</p>



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
	<b><u>Clinical Biochemistry</u></b> (cont'd)		
	<u>Routine Chemistries:</u> (cont'd)		
Blood, unless specified	Apo B		A
	AST		A, B, C
	B2M		A
	Benzodiazepine		A
	Bicarbonate		A, B, C
	Bile Acids		A, B
	Bilirubin		A, B, C
	Buprenorphine		A
	C3		A, B
	C4		A, B
	Caeruloplasmin		A, B
	Calcium (inc urine)		A, B, C
Urine	Cannabinoids (THC) (urine)		A
	Carbamazepine		A, B
and Urine	Chloride (inc urine A)		A, B, C
	Cholesterol		A, B, C
	CK		A, B, C
	Conjugated Bilirubin		A, B, C
and. Urine	Creatinine (inc urine)		A, B, C
	CRP		A, B, C
	Ethanol		A, B, C
	Gentamicin		A, B, C
	GGT		A, B, C
and CSF	Glucose (inc CSF)		A, B, C
	Haptoglobin		C
	HDL Cholesterol		A, B, C
	IgA		A, B
	IgE		A
	IgG		A, B
	IgM		A, B
	Iron		A, B, C
	Lactate		C
	LDH		A, B, C
	Lipoprotein (a)		A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
	<b><u>Clinical Biochemistry</u></b> (cont'd)		
	<u>Routine Chemistries:</u> (cont'd)		
Blood, unless specified and Urine	Lithium		A, B, C
	Magnesium (inc urine)		A, B, C
	Paracetamol		A, B, C
	Phenobarbitone		A, B
	Phenytoin		A, B
and Urine	Phosphate (inc urine)		A, B, C
and Urine	Potassium (inc urine)		A, B, C
and urine, CSF	Protein (inc urine and CSF)		A, B, C
	Rheumatoid Factor		A, B
	Salicylate		A, B, C
	Serum Indices		A, B, C
and Urine	Sodium (inc urine)		A, B, C
	STFR		A
	Theophylline		A, B, C
	Transferrin		A, B
	Triglyceride		A, B, C
and urine	Urea (inc urine)		A, B, C
and urine	Uric Acid (inc urine)		A, B, C
	Valproate		A, B
	Phenytoin		A, B, C



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HUMAN FLUIDS & TISSUES (cont'd)	<p><u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p><b><u>Clinical Biochemistry</u></b> (cont'd)</p> <p><u>Immunoassay:</u></p>	<p>Documented in-house procedures with manufacturer's instructions</p> <p>Equipment: Roche Cobas e602 analysers</p> <p>Measurement Principle: Electrochemiluminescence</p> <p>Main SOP reference(s):</p> <p>Roche Cobas C6000 Series BC-AUT-SOP-008.ST Roche Cobas C8000 Series BC-AUT-023.QE.SR Roche Cobas &amp; SWA Analyte SOPs BC-AUT-SOP-030.UN</p> <p>Cobas Link e-Library BC-AUT-SOP-020.QE.SR Serology Analysis on SWA BC-AUT-SOP-031.QE</p>	
Blood	Anti-Mullerian Hormone (AMH) AFP Anti-HBs Anti-HBc Anti-HCV B12 CA125 CA153 CA199 CEA Cortisol C-peptide Digoxin Oestradiol fT3 fT4 Ferritin		A A, B A A A A, B, C A, B A, B A, B A, B A, B, C A A, B, C A, B A, B A, B, C A, B, C



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HUMAN FLUIDS & TISSUES (cont'd)	Pathological examination activities for the purpose of clinical diagnosis (cont'd)	Documented in-house procedures with manufacturer's instructions	
	<b><u>Clinical Biochemistry</u></b> (cont'd)		
	<u>Immunoassay:</u> (cont'd)		
Blood	Folate FSH HBSAg HCG HIV Insulin LH NT-Pro-BNP Procalcitonin Progesterone Prolactin PSA PTH Rubella SHBG TBII (TRAB) Testosterone TPO Troponin-T TSH Vancomycin Vitamin D		A, B, C A, B A A, B, C A A A, B A, B B A, B, C A, B A, B A, B, C A, B A A A, B, C A, B A, B, C A, B, C B A, B





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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Blood	<b><u>Clinical Biochemistry</u></b> (cont'd)  <u>HbA1c Analysis</u>	Equipment Roche Cobas c513 analyser  Measurement Principle: Turbidimetric Inhibition Immunoassay and Spectrophotometry  Main SOP reference BC-AUT-017.QE	A
Blood and Fluids	<u>Blood Gas Parameters:</u>  pH pO2 pCO2 Bilirubin Calcium Lactate Glucose Potassium Sodium COHb MetHb	Equipment: Radiometer ABL800 Series Analyser  Measurement Principle: Ion Selective Electrodes and Spectroscopy  Main SOP reference(s): Blood Gas Measurement using the Radiometer ABL800 Series Analyser PC-GAS-SOP-001.UN	A,B,C A,B,C A,B,C A,B,C A, C A, B A, B A, B A, B, C A, B, C A, B, C



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Urine	<b><u>Clinical Biochemistry</u></b> (cont'd)  <u>Drugs of Abuse, Adrenaline Metabolites and cortisol:</u>  Morphine Acetyl-Morphine Codeine Dihydrocodeine EDDP Methadone Amphetamine MDA MDMA MDEA Cocaine Metabolites Metadrenalin Normetadrenalin 3-Methoxytyramine Cortisol (urine)	Equipment: Waters UPLC-TQ detector  Measurement Principle: High Performance Liquid Chromatography and Mass Spectrometry  Main SOP reference(s): Drugs of Abuse Analysis by LCMS BC-ROU-SOP-021.QE & Reporting BC-ROU-SOP-008.QE Urinary Metadrenalines by LCMS BC-ROU-SOP-023.QE & reporting BC-ROU-SOP-020.QE  Urine Cortisol BC-ROU-SOP-035.QE	A A



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HUMAN FLUIDS & TISSUES (cont'd)  Blood	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)  <b><u>Clinical Biochemistry</u></b> (cont'd)  <u>Androgen profile</u>  Testosterone 17-hydroxy progesterone Androstenedione DHEAS	Documented in-house procedures with manufacturer's instructions  Equipment Waters UPLC-TQ detector  Measurement principle: High Performance Liquid Chromatography and Mass Spectrometry  Main SOP reference: BC-ROU-SOP-033.QE Reporting BC-ROU-SOP-034.QE	A A A A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
	<b><u>Clinical Biochemistry</u></b> (cont'd)		
	<u>Spectroscopy:</u>		
CSF and Urine	Xanthochromia	UVIKON XS or CAMSPEC 550 scanning spectrophotometer Measurement principle: spectrometry Main SOP reference BC-ROU-SOP-030.QE	A
Urine	Porphyrin screen	UVICON XS or CAMSPEC 550 scanning spectrometer Measurement principle: spectrophotometry Main SOP reference: BC-ROU-SOP-022.QE	A
Urine	Porphobilinogen screen	UVIKON XS or CAMSPEC 550 scanning spectrophotometer  Measurement Principle: Anion exchange chromatography (Biorad) & Spectroscopy  Main SOP reference(s): Urine Porphobilinogen BC-ROU-SOP-003.QE	A
Calculi	Renal Calculi Analysis:	Equipment: Nicolet 380  Measurement Principle: Infra-Red Spectroscopy  Main SOP reference(s) Renal Calculus Analysis BC-ROU-SOP-001.QE	A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
	<b><u>Clinical Biochemistry</u></b> (cont'd)		
	<u>Protein Section:</u>		
Blood, Urine and CSF	Electrophoresis screening Paraprotein typing (IgA, IgD, IgE IgG, IgM, Kappa and Lambda) Oligoclonal Bands	Equipment: Sebia Hydrasis and Capillarys  Measurement Principle: Gel and capillary electrophoresis  Main SOP reference(s) Sebia Capillarys BC-ROU-SOP-005.QE Immunofixation Electrophoresis BC-ROU-SOP-016.QE Immunotyping BC-ROU-SOP-041.QE Bence Jones Protein BC-ROU-SOP-010.QE CSF Oligoclonal Bands BC-ROU-SOP-007.QE	A
Blood and Urine	<u>Osmolality:</u>	Equipment: Advanced Instruments Micro-Osmometer model 3320  Measurement Principle: Depression of Freezing Point  Main SOP reference(s) Serum / Urine Osmolality BC-ROU-SOP-002.UN	A, B, C



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Sweat	<b><u>Clinical Biochemistry</u></b> (cont'd)  <u>Miscellaneous:</u>  Sweat Chloride	Equipment: Sherwood Chloride meter model 926S  Measurement Principle: Ion Conductivity  Main SOP reference(s) Sweat Chloride Analysis BC-ROU-SOP-006.SR	B
Blood	Ammonia	Equipment: Menarini Blood Ammonia Meter (PA-4A30)  Measurement Principle: Reflectance Spectroscopy  Main SOP reference(s) Blood Ammonia BC-ROU-SOP-040.UN	A, B, C
Blood	Ketones	Equipment: Abbott Opium Xceed Blood Ketone Sensor  Measurement Principle: Electrochemical  Main SOP reference(s) Blood Ketones BC-ROU-SOP-015.QE	A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
	<b><u>Clinical Biochemistry</u></b> (cont'd)		
	<u>Miscellaneous:</u> (cont'd)		
Faeces	Faecal Occult Blood	Equipment: Alpha Laboratories Hema-Screen  Measurement Principle: Guaiaac based  Main SOP reference: Non-symptomatic screening BO-LAB-SOP-003.QE Processing BCS Alpha FOB Test Kits Symptomatic screening BO-LAB-SOP-013.QE	D
Faeces cards	Detection of occult blood in faeces to aid in diagnosis of bowel disease	Hema-Screen Kit - qualitative method for detecting occult blood in faeces by measuring the quinone structured blue chromogen.  Main SOP: BO-LAB-SOP-003.QE	D
	<u>Calculated parameters</u>	Calculated tests are calculated within the LIMS (MediTech)	
	Estimated GFR		A, B, C
	Acute kidney Injury stage		A, B, C
	LDL cholesterol		A, B, C
	Non-HDL cholesterol		A, B, C
	STFR ratio		A, B, C
	Calculated osmolality		A, B, C
	Creatinine clearance		A, B, C
	Adjusted calcium		A, B, C
	Urine Calcium: Creatinine ratio		A, B, C
	Transferrin saturation		A, B, C
	Free androgen Index		A, B, C
	FIB4 score		A, B, C



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HUMAN FLUIDS & TISSUES(cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures with manufacturer's instructions	
	<b><u>Haematology/Transfusion</u></b>		
	<u>Routine Haematology</u>		
Blood	Full Blood Count -RBC -WBC -HCT -RDW -MCV -MCH -MCHC -PLATELET -NEUTROPHIL -LYMPHOCYTE MONOCYTE -EOSINOPHIL -BASOPHIL -NRBC Reticulocytes	Manufacturers Analyser (Sysmex, XNA0/20,) using fluorescent flow cytometry and hydrodynamic focusing technologies. HA-ROU-SOP-001.QE, HA-ROU-SOP-025.SR.ST	A, B, C
Blood	Erythrocyte Sedimentation Rate	Vitech Scientific InteRRliner and Compact. Westergren Method. SOP HA-ROU-SOP-008.QE/SR	A, B, C
Blood	Haemoglobin	Manufacturers Analyser (Sysmex, XN10/20,) using Sodium Lauryl Sulphate using a Photometric Methodlogy. SOP HA-ROU-SOP-001.QE, HA-ROU-SOP-025.SR.ST	A, B, C
Blood	Blood Film for detection of abnormal cells	Manufacturers Analyser (Sysmex SP10) and Manual method, using Sysmex Staining (May Grunwald Giemsa). SOP HA-ROU-SOP-002.UN	A, B, C





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	<b><u>Haematology/Transfusion</u></b> (cont'd)		
	<u>Routine Haematology</u> (cont'd)		
Marrow	Bone marrow staining for detection of abnormal cells	Manufacturers Analyser (Sysmex SP10) and Manual method, using Sysmex Staining (May Grunwald Giemsa). SOP HA-ROU-SOP-002.UN	A, B, C
Blood	Detection presence of Infectious Mononucleosis (Glandular Fever) heterophile antibodies.	Clearview IM for the qualitative detection of Infectious Mononucleosis using a glycoprotein from bovine erythrocytes. HA-ROU-SOP-020.UN	A, B, C
Blood	Detection of HLAB27antigen	Beckman Coulter FC500 flow cytometer and an anti-HLAB27 antibody conjugated to the fluorochrome FITC HA-BTX-SOP-046.QE	A
Blood	Detection of abnormal Haemoglobin variants and measurement of HbA2 and HbF	Sebia MiniCap Flex-Piercing instrument. HA-ROU-SOP-034.QE	A
Blood	Malarial screening - Differentiation between Plasmodium falciparum and non-Plasmodium falciparum infections.	Immuno-chomatographic test using Carestart rapid monoclonal antibodies against 'parasite lactate dehydrogenase' and 'Histidine-Rich Protein 2' HA-ROU-SOP-024.UN	A, B, C



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
	<b><u>Haematology/Transfusion</u></b> (cont'd)		
Blood	<u>Routine Haematology</u> (cont'd)  Qualitative Solubility test for Sickling Haemoglobins	(Streck-SICKLECHEK) using Sodium Hydrosulphite and Saponin.. HA-ROU-SOP-036.UN Haemoglobin S Solubility Test	A, B, C
Plasma	<u>Coagulation</u>  Prothrombin Time APTT Clauss Fibrinogen Thrombin Time D-Dimer Lupus Anti-coagulant Reptilase Anti-Xa assay INR APPT ratio	STAGO STA Max analysers utilising a Viscosity Based (Mechanical) Detection System Neoplastin R Actin FS and SynthAsil STA Liquid Fibrinogen STA Thrombin STA Liatest DD STAClot DRVV STA-Liquid anti Xa (chromogenic) HA-COA-SOP-014.UN HA-COA-SOP-017.UN HA-COA-SOP-018.UN HA-COA-SOP-019.UN HA-COA-SOP-020.UN HA-COA-SOP-02A.UN HA-COA-SOP-022.UN HA-COA-SOP-023.UN HA-COA-SOP-024.UN HA-COA-SOP-025.UN HA-COA-SOP-026.UN HA-COA-SOP-028.UN HA-COA-SOP-029.UN	A, B, C



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
	<b><u>Haematology/Transfusion</u></b> (cont'd)		
	<u>Blood Transfusion</u>	BioRad Blood Grouping System using: Automated IH1000 and Gel Stations with suppliers methods; Manual Biorad gel cards	
Blood	Blood Group by detection and identification of antigens:  A D Positive AB D Positive B D Positive D Positive A D Negative AB D Negative B D Negative D Negative O positive O negative	HA-BTX-SOP-006.UN Manual Blood Grouping Techniques HA-BTX-SOP-015.UN Routine testing on the IHA000	A, B, C
	Crossmatch	HA-BTX-SOP-022.UN Serological Crossmatch (IAT) HA-BTX-SOP-009.UN Antigen Typing	
Blood	Antibody Screen by detection of antibodies to:  Rh which includes anti-C, D, E, c, e, f, Cw K, k, Kpa , Kpb , Fya , Fya , Jka, Jkb Lea, Leb S, s, M, N P1 Lua , Lub	HA-BTX-SOP-007.UN Manual Antibody Screen HA-BTX-SOP-008.UN Antibody identification	A, B, C





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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Serum	<b><u>Immunology</u></b> Detection of ELiA IgA -tissue Transglutaminase Antibodies (Abs)	Phadia 250 using FEIA. IM-ICP-SOP-003	A
Serum	Detection of ELiA IgG -Citruillinated Cyclic Peptide Abs -ENA Abs Screen -Ro Abs -Ro52 Abs -La Abs -RNP/Sm Abs -Sm Abs -JoA Abs -Scl70 Abs -CENP Abs -dsDNA Abs -MPOs Abs -PR3s Abs -GBM Abs -Cardiolipin Abs -Beta-2-Glycoprotein A Abs -tissue Transglutaminase Abs -M2 -Calprotectin -Intrinsic Factor Antibody	Phadia 250 using FEIA. IM-ICP-SOP-004	A
Serum	ELiA IgM -Cardiolipin Abs -Beta-2-Glycoprotein Abs	Phadia 250 using FEIA. IM-ICP-SOP-005	A
Serum	Detection of Mast Cell Tryptase	Phadia 250 using CAP technology. IM-ICP-SOP-007	A



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HUMAN FLUIDS & TISSUES (cont'd)	Pathological examination activities for the purpose of clinical diagnosis (cont'd)	Documented in-house procedures with manufacturer's instructions	
Serum	<p><b>Immunology</b> (cont'd)</p> <p>Detection of Specific IgE</p> <ul style="list-style-type: none"> <li>Ara hA (peanut)</li> <li>-Ara h2 (peanut)</li> <li>-Ara h3 (peanut)</li> <li>-Ara h8 PR-A0 (peanut)</li> <li>-Ara h9 LTP (peanut)</li> <li>-Cor aA PR-A0 (hazel nut)</li> <li>-Cor a8 LTP (hazel nut)</li> <li>-Omega-5-Gliadin (wheat)</li> <li>-Ovomucoid (egg)</li> <li>-Bet VA (birch)</li> <li>-Budgerigar droppings</li> <li>-Cat epithelium &amp; dander</li> <li>-Chicken feathers</li> <li>-Common pet mix</li> <li>-Cow dander</li> <li>-Dog dander</li> <li>-Duck feathers</li> <li>-Gerbil epithelium</li> <li>-Goat epithelium</li> <li>-Guinea Pig epithelium</li> <li>-Hamster epithelium</li> <li>-Horse dander</li> <li>-Mixed feathers A</li> <li>-Mixed feathers 2</li> <li>-Mouse</li> <li>-Parrot feathers</li> <li>-Pigeon droppings</li> <li>-Pigeon feathers</li> <li>-Rabbit epithelium</li> <li>-Rat</li> <li>Sheep epithelium</li> <li>-Turkey feathers</li> <li>-Amoxicilloyl</li> <li>-Penicilloyl G</li> <li>-Penicilloyl V</li> <li>-Almond</li> </ul>	Phadia 250 using CAP technology. IM-ICP-SOP-006	A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Serum (cont'd)	<p><b>Immunology</b> (cont'd)</p> <p>Detection of Specific IgE (cont'd)</p> <ul style="list-style-type: none"> <li>-Apple</li> <li>-Avocado</li> <li>-Banana</li> <li>-Barley</li> <li>-Blue mussel</li> <li>-Blueberry</li> <li>-Brazil nut</li> <li>-Brussel sprout</li> <li>-Buck wheat</li> <li>-Cacao</li> <li>-Carob</li> <li>-Carrot</li> <li>-Cashew nut</li> <li>-Celery</li> <li>-Cheese (cheddar type)</li> <li>-Cherry</li> <li>-Chick pea</li> <li>-Chicken</li> <li>-Chilli pepper</li> <li>-Coconut</li> <li>-Common food mix</li> <li>-Crab</li> <li>-Egg</li> <li>-Egg white</li> <li>-Egg yolk</li> <li>-Fish (cod)</li> <li>-Fish mix A</li> <li>-Fish mix 2</li> <li>-Garlic</li> <li>-Gluten</li> <li>Goats milk</li> <li>-Grape</li> <li>-Grapefruit</li> <li>-Haddock</li> <li>-Hazel nut</li> <li>-Kiwi fruit</li> <li>-Lemon</li> </ul>	Phadia 250 using CAP technology. IM-ICP-SOP-006	A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Serum (cont'd)	<b>Immunology</b> (cont'd)		
Serum/Plasma	Detection of Specific IgE (cont'd)	Phadia 250 using CAP technology. IM-ICP-SOP-006	A
	-Lentil		
	-Lime		
	-Lobster		
	-Lupin seed		
	-Macadamia nut		
	-Maize, corn		
	-Malt		
	-Mandarin		
	-Mango		
	-Melon		
	-Milk		
	-Mushroom		
	-Mustard		
	-Mutton		
	-Nut mix A		
	-Nut mix 2		
	-Oat		
	-Olive (black, fresh)		
	-Onion		
	-Orange		
	-Pea		
	-Peach		
	-Pear		
	-Peanut		
	-Pecan nut		
	-Pineapple		
	-Pistachio		
	-Plum		
	-Pork		
	Potato		
	-Rape seed		
	-Raspberry		
	-Rice		
	-Salmon		
	-Sesame seed		
	-Shrimp		
	-Soybean		





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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Serum (cont'd)	<b>Immunology</b> (cont'd)		
Serum/Plasma	Detection of Specific IgE (cont'd) -Strawberry -Sweet chestnut -Tomato -Tuna -Turkey -Walnut -Wheat -White bean -Yeast -Barley pollen -Cultivated oat pollen -Cultivated Rye pollen -Cultivated wheat pollen -Grass pollen mix -Maize, corn pollen -Rye pollen -Timothy grass pollen -Common House Dust Mite -European House Dust Mite -Bumble bee venom -Cockroach -Honey bee venom -Horse fly -Mosquito -Wasp venom -Latex -Isocyanate (TDI) -Isocyanate (MDI) Isocyanate (HDI) -Alternaria alternate -Aspergillus fumigatus -Cladoporium herbarum -Mould mix -Silver birch pollen -Tree pollen mix -Mugwort pollen -Plantain, ribwort pollen	Phadia 250 using CAP technology. IM-ICP-SOP-006	A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Serum (cont'd)	<b>Immunology</b> (cont'd) Detection of Specific IgE (cont'd) -Rape pollen -Sheep sorrel -Weed pollen mix Isocynate (HDI)	Phadia 250 using CAP technology. IM-ICP-SOP-006	A
Serum	Detection of Specific IgG  Aspergillus fumigatus -Budgerigar droppings -Budgerigar feathers -Pigeon serum -Pigeon feathers -Pigeon droppings	Phadia 250 using CAP technology. IM-ICP-SOP-008	A
Serum	Detection of Anti-Nuclear Antibody	ASP slide processor and NOVA view automated microscope. Indirect Immunofluorescence. IM-IIF-SOP-003. Using Inova slides/kit	A
Serum	Detection of ANCA	ASP slide processor and NOVA view automated microscope. Indirect Immunofluorescence. IM-IIF-SOP-005. Using Inova slides/kit	A
Serum	Detection of:- Liver Autoantibodies -Smooth muscle Abs -Liver kidney microsomal Abs -Anti-mitochondrial Abs -Gastric Parietal Cell Abs	ASP slide processor and manual microscopy. Indirect Immunofluorescence. IM-IIF-SOP-004. Using Inova slides/kit	A
Serum	Detection of Islet Cell Antibodies	ASP slide processor and manual microscopy. Indirect Immunofluorescence. IM-IIF-SOP-007. Using Inova slides/kit	A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
	<b>Immunology</b> (cont'd)		
Serum	IgA Endomysial Abs	ASP slide processor and manual microscopy. Indirect Immunofluorescence. IM-IIF-SOP-006. Using Inova slides/kit	A
Serum	Detection of Skin autoantibodies -Pemphigus -Pemphigoid	ASP slide processor and manual microscopy. Indirect Immunofluorescence. IM-IIF-SOP-008. Using Inova slides/kit	A
Serum	Detection of Paraneoplastic Antibody screen -Neuronal -Purkinje	ASP slide processor and manual microscopy. Indirect Immunofluorescence. IM-IIF-SOP-009. Using Inova slides/kit	A
Serum	Autoimmune Hepatitis Profile  -SLA -LKMA -LCA	EuroBlotMaster using immunoblotting. IM-EUR-SOP-003	A
Serum	Paraneoplastic Antibody Profile -Hu -Yo -Ri -Amphiphysin -CV2 -Ma2 -recoverin -SOXA -titin -zic4 -GAD65 -Tr	EuroBlotMaster using immunoblotting. IM-EUR-SOP-005	A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Serum	<b>Immunology</b> (cont'd) Myositis Antibody Profile  -Mi2 -Ku -PMScI -JoA -PL7 -PLA2 -Ro52  Detection of Functional Antibodies:	EuroBlotMaster using immunoblotting. IM-EUR-SOP-004	A
Serum	-HIB	DS2 using ELISA. IM-DS2-SOP-004	A
Serum	-PCP	DS2 using ELISA. IM-DS2-SOP-003	A
Serum	-Tetanus	DS2 using ELISA. IM-DS2-SOP-005	A
Serum	GAD Antibodies	DS2 using ELISA. IM-DS2-SOP-006	A
Serum	Acetyl Choline Receptor Abs	DS2 using ELISA. IM-DS2-SOP-007	A
Serum	Islet Cell Antigen Type 2	DS2 using ELISA. IM-DS2-SOP-010	A
Serum	Anti-Histone Antibody	DS2 using ELISA. IM-DS2-SOP-009	A
Serum	Serum Free Light Chains	SPAPLus using turbimetry. IM-SPA-SOP-004	A
Serum	Immunoglobulin Subclasses (IgGA, IgG2, IgG3, IgG4)	SPAPLus using turbimetry. IM-SPA-SOP-005	A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented methods based on related UK Standards for Microbiology Investigations (SMIs), incorporating manufacturers' instructions where relevant	
Urine	<b><u>Microbiology</u></b>  Microbiology examination activities for the purpose of clinical diagnosis  Urinalysis for the detection and quantification of bacteria and cellular presence: White blood cells, Red blood cells, Squamous epithelial cells, Bacterial cells, Yeast cells & fungal hyphae, Granular, hyaline & cellular casts	Automated urinalysis: MC-CUL-SOP-034.QE Routine Operation and Maintenance of the Roche u701 Urine Analyser using flow cytometry. Light Microscopy MC-CUL-SOP-004.QE Manual Urine Culture for and Microscopy	A
Sputum, Pleural fluid, Bronchoalveolar lavage	Isolation and characterisation of Microorganisms of clinical significance	Kiestra Total Laboratory Automation system for inoculation, incubation, and digital image recording of cultures. MC-CUL-SOP-044.QE First inoculation Kiestra Light Microscopy	A
Faeces		MC-CUL-SOP-014.QE Examination of Sputum for Routine Culture MC-CUL-SOP-015.QE Bronchioalveolar Lavages	A
Genital swabs	Including presence of bacterial vaginosis, presence of Trichomonas vaginalis	MC-CUL-SOP-020.QE Enteric Culture MC-CUL-SOP-024.QE C. difficile carriage	A
		MC-CUL-SOP-006.QE Microscopy and Examination of Genital Tract Specimens	A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented methods based on related UK Standards for Microbiology Investigations (SMIs), incorporating manufacturers' instructions where relevant	
Wound swabs, Pus	<b>Microbiology</b> (cont'd)	MC-CUL-SOP-023.QE - examination of Swabs - Skin, Superficial and Non-surgical swabs	A
Body fluids (from blisters, burns, ascites, CAPD fluids)		MC-CUL-SOP-032.UN Examination of Body Fluids	A
Tissue		MC-CUL-SOP-029.QE Examination of corneal scrapes MC-CUL-SOP-032.QE Examination of tissue samples	A
Line tips		MC-CUL-SOP-033.QE Examination of line tips and associated samples	A
Screening swabs	Screening for MRSA/MSSA/VRE	MC-CUL-SOP-028.QE Screening swabs MRSA, MSSA (including renal screen), VRE	A
Joint fluids	Detection and identification of birefringent crystals	MC-CUL-SOP-039.QE Examination of Joint Fluid for crystals using Polarised Light Microscopy	A
Blood	Isolation and characterisation of microorganisms of clinical significance in blood	Biomerieux BacTAlert automated continuous monitoring blood culture system MC-CUL-SOP-019.QE Investigation of Blood Cultures	A
CSF	Presence of bacteria and differentiation of white cells and isolation/ characterisation of microorganisms of clinical significance	MC-CUL-SOP-013.UN CSF investigations. Direct microscopy using modified Fuchs Rosenthal counting chamber, differential WBC counts, gram stain and culture	A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented methods based on related UK Standards for Microbiology Investigations (SMIs), incorporating manufacturers' instructions where relevant	
Bacterial cultures	<b>Microbiology</b> (cont'd) Identification/classification of microorganisms	Gram Staining MC-IDS-SOP-007.QE	A
Bacterial cultures	Automated identification and classification of microorganisms of clinical significance	Bruker Biotyper MC-IDS-SOP-011.QE MALDI-TOF Biotyper Identification using Matrix-assisted laser desorption ionization–time of flight mass spectrometry (MALDI-TOF)	A
Bacterial Cultures, Blood cultures, Urine	Antibiotic Susceptibility testing	MC-IDS-SOP-003.QE Manual using Disc Susceptibility Testing and and E-Test (EUCAST) MC-IDS-SOP-006.QE ETEST SOP	A
Urine	Rapid detection of Legionella pneumophila serogroup A and Pneumococcal Antigen	Immunochromatographic method: MC-IDS-SOP-022.QE Legionella urine antigen test (Sofia) and MC-CUL-SOP-046 (Pneumococcal urine Antigen (Sofia))	A
Faeces	Rapid detection of presence of Rota/adenovirus	Bioconnections Gastrovir MC-CUL-SOP-021.QE Rota/Adenovirus testing	A
Urine	Detection of b-HCG to assist in confirmation of pregnancy	Invitech MC-SER-SOP-011.QE Pregnancy test	A
Faeces	Identification of enteric parasitic infection (Ova, Cysts, parasites)	Parasep system Light Microscopy MC-CUL-SOP-027.QE Parasite investigations	A
Serum	Quantification of Antistreptolysin O	Manual ASOT kit MC-SER-SOP-009.QE Antistreptolysin O Titration	A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented methods based on related UK Standards for Microbiology Investigations (SMIs), incorporating manufacturers' instructions where relevant	
Serum	<b>Microbiology</b> (cont'd) Detection of Syphilis antibodies	MC-SER-SOP-013.QE RPR test for syphilis	A
	<u>Serological examinations for investigation for immunity and markers of infectious disease</u>	Documented in-house procedures with manufacturer's instructions	
	Quantitative & Qualitative detection of antibodies to following: -		
Faeces	GDH antigen Giardia/Cryptosporidia antigens	Gemini Analyser – ELISA MC-SER-SOP-006-QE Gemini, maintenance, decontamination and use	A
Serum	H pylori stool antigen	Dynex DS2 Analyser – ELISA MC-CUL-SOP-009.QE Clostridium difficile testing MC-SER-SOP-003.QE Giardia Cryptosporidium testing MC-SER-SOP-004.QE Helicobacter pylori stool antigen test	
Faeces	Faecal calprotectin	MICSERPR028 Faecal Calprotectin (EIA) on Phadia 100	
Faeces	Rotavirus/Adenovirus antigen Legionella antigen	Immunochromatographic strips MC-CUL-SOP-021.QE Rotavirus/Adenovirus test (Techlab)	





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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures with manufacturer's instructions	
	<u>Serological examinations for investigation for immunity and markers of infectious disease (cont'd)</u>	Documented in-house procedures with manufacturer's instructions	
	Quantitative & Qualitative detection of antibodies to following: - (cont'd)		
Serum	Antibodies to Treponema pallidum Rubella IgG Hepatitis B Hepatitis C HIV	Roche e602 Electrochemiluminescence immunoassay MC-SER-SOP-013 RPR test for syphilis MC-SER-SOP-002.QE Serology testing on e602 Biochemistry analyser	A
Serum	Detection of interferon-gamma following stimulation of T cells in-vitro, as an indicator of Tuberculosis specific antigen-mediated cell response	Gemini Fully automated 2-plate ELISA processor MC-SER-SOP-005.QE TB Quantiferon Gold Plus	
Serum	Varicella-Zoster IgG Measles IgG CMV IgM and IgG EBV IgM, IgG and EBNA Hepatitis A IgM Toxoplasma H. pylori IgG	Biomerieux Vidas – using Enzyme linked fluorescent assay -ELFA MC-SER-SOP-001.QE Vidas	
	Molecular testing for quantification of DNA/RNA for specific organisms, viruses		
Genital swabs/urines Respiratory samples Faeces Ophthalmic swabs, Blood	Detection of: - Chlamydia trachomatis / Neisseria gonorrhoea DNA	Cobas 4800 MC-PCR-SOP-005.UN Chlamydia and GC PCR on the COBAS 4800	A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
	<u>Serological examinations for investigation for immunity and markers of infectious disease</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
	Detection of nucleic acids to following: -		
	HPV - DNA	MC-PCR-SOP-006.QE HPV PCR on the Cobas 4800	A
	Respiratory viruses–RNA Influenza A/B RSV/hMPV	EasyMag/ Roche LightCycler MC-PCR-SOP-008.QE Respiratory PCR - Flu A/B and RSV/hMPV	A
	Norovirus - RNA	MC-PCR-SOP-004.QE GeneXpert - Norovirus	A
	HSV - DNA	Respiratory PCR - HSV 1, HSV 2, VZV and Adenovirus (Argene) On Roche LightCycler® 480 II  Cepheid GeneExpert	A
	C difficile - DNA	MC-PCR-SOP-003.QE GeneXpert – Cepheid C difficile gene toxin	A
	Carbapenemase DNA	MC-CUL-SOP-022.QE Carbapenemase-Producing Enterobacteriaceae (CPE) Screening – Cepheid PCR	A
	Factor II & V - DNA	MC-PCR-SOP-002.QE GeneXpert – FII & FV Testing	A
Influenza A/B and RSV - RNA	Cepheid GeneExpert MC-PCR-SOP-001.QE GeneExpert – FLUA/B and RSV testing	A	



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Human Tissue	<b><u>Cellular Pathology</u></b>  Examinations in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis		A
Formalin Fixed Tissue	Specimen dissection  Specimen embedding/histology processing	Production of paraffin wax blocks using a Sakura Vacuum Impregnation Processing machine (VIP) and section cutting using Leica Microtomes. • CP-HIS-SOP-012.UN Operation and Troubleshooting of Tissue Tek VIP Processors CP-HIS-SOP-013.UN Maintenance and Changing of Tissue-Tek VIP Processor • CP-HIS-SOP-004.UN Histology Paraffin Block Embedding • CP-STQ-SOP-005.UN Decalcification and Processing of Histology Samples	
Formalin fixed paraffin embedded tissue blocks	Section cutting	CP-HIS-SOP-005.UN Histology Section Cutting	A
Fresh frozen tissue	Frozen section in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis	Frozen section CP-STQ-SOP-002 UN and use of Leica and Bright cryostat Rapid stain with Haematoxylin/Eosin CP-SST-INS-014.UN Special Stain: Oil Red O	



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
4 µm Formalin fixed paraffin embedded tissue sections	<b>Cellular Pathology</b> (cont'd)  Examinations in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis (cont'd)		
4 µm Formalin fixed paraffin embedded tissue sections	Staining for the identification of clinically significant abnormal and normal cells and tissue components	The haematoxylin and eosin stain (H&E) • CP-HIS-SOP-006.UN - The Maintenance and Use of The Tissue Tek®Prisma and Film Cover Slipper	A
4 µm Formalin fixed paraffin embedded tissue sections	<b>Immunohistochemistry</b>  Immunohistochemistry for the identification of cells/diseases below: -  Smooth Muscle Germ cell tumours and hepatocellular carcinoma. Prostate carcinoma	In house documented procedures & manufacturer's instructions using Ventana Benchmark Ultra system automated ICC CP-ICC-SOP-001.UN – Immunohistochemistry Procedure  ACTIN ALPHA FETO PROTEIN  AMACR (alpha methylacyl coenzyme A racemase)	A
	Lymphoma Breast tumours with apocrine gland features. Tumours of lung, endometrium and ovarian origin. Pancreatic disease/tumour. Mesothelioma. Follicular lymphoma. Endometrial stroma Pan—T cell marker. Pan B cell marker Reed Sternberg cells.	BCL-2 MARKER BRST2 (GDFFP15)  CA125  CA-19-9 CALRETININ CD10 MARKER CD15 CD 3 (T CELL MARKER) CD 20 (B CELL MARKER) CD30	



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	A
4 µm Formalin fixed paraffin embedded tissue sections (cont'd)	Immunohistochemistry for the identification of cells/diseases below: - (cont'd)	In house documented procedures & manufacturer's instructions using Ventana Benchmark Ultra system automated ICC CP-ICC-SOP-001.UN – Immunohistochemistry Procedure	
	Endothelial cells	CD34	
	Neuroendocrine tumour	CD56	
	Histiocytes	CD68	
	Pan B cell marker	CD79A MARKER	
	Neuroectodermal tumour cells	CD99	
	GIST tumours	CD117	
	Intestinal epithelium	CDX2	
	Colorectal cancers	CARCINOEMBRYONIC ANTIGEN	
	Intestinal epithelium	CEA Polyclonal	
	Neuroendocrine cells	CHROMOGRANIN	
	Broad spectrum epithelial marker	CYTOKERATIN (MNF)	
	Epithelial marker	CYTOKERATIN AE1/AE3	
	Epithelial neoplasms	CYTOKERATIN 5/6	
	Breast, lung, endometrial adeno Ca.	CYTOKERATIN 7	
	Basal epithelial cells	CYTOKERATIN 14	
	GI tract epithelia	CYTOKERATIN 19	
	Small bowel / stomach epithelia	CYTOKERATIN 20	
	Prostatic basal cells	CYTOKERATIN 34	
	CMV infection.	CYTOMEGALOVIRUS (CMV)	
	Lymphatic endothelium	D2-40 ICC	
	Desmin filaments in muscle.	DESMIN	
	Prostate	DUAL STAINING: P63/AMACR	
	Non-Small Cell lung cancer	DUAL STAINING: CK5/6/TTF-1	
	Non-Small Cell lung cancer	DUAL STAINING: CK7/P63	
	Epithelial marker.	E-CADHERIN	
	Epithelial cells.	EPITHELIAL MEMBRANE ANTIGEN	
	Endothelial cells	FACTOR VIII	
	Breast epithelium	GATA-3	
	Smooth muscle - leiomyomas	H-CALDESMON	
	Germ cell tumour marker	HCG	



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<p>HUMAN FLUIDS &amp; TISSUES (cont'd)</p> <p>4 µm Formalin fixed paraffin embedded tissue sections (cont'd)</p>	<p><u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p>Immunohistochemistry for the identification of cells/diseases below: - (cont'd)</p> <p>Differentiates adenocarcinoma from mesothelioma. Indicates suitability for Herceptin therapy. Melanocytic cells Differentiates adrenocortical tumours from sex cord tumours. Proliferation marker Hodgkin's lymphoma Melanocytes/melanomas Melanoma Germinal centre B cells, plasma cells and activated t cells Lung adenocarcinoma Neuroendocrine differentiation Breast carcinoma Gynae tumours HPV marker Tumour suppressor gene Beckwith-Wiedemann syndrome/hydatidiform mole Basal epithelium Germ cell tumours</p> <p>Breast tumours Prostate carcinoma marker Prostate carcinoma marker Renal cell carcinomas</p> <p>Nerves, glial cells, melanoma marker Smooth muscle tumours</p>	<p>Documented in-house procedures with manufacturer's instructions</p> <p>In house documented procedures &amp; manufacturer's instructions using Ventana Benchmark Ultra system automated ICC CP-ICC-SOP-001.UN – Immunohistochemistry Procedure</p> <p>HEA (BerEP4)</p> <p>HER2</p> <p>HMB45 INHIBIN A</p> <p>KI-67 MARKER LEUCOCYTE COMMON ANTIGEN MELAN A MELAN A Red MUM 1</p> <p>NAPSIN A NEURON SPECIFIC ENOLASE OESTROGEN RECEPTOR PAX-8 p16 p53 P57</p> <p>p63 PLACENTAL ALKALINE PHOSPHATASE PROGESTERONE RECEPTOR PROSTATE SPECIFIC ANTIGEN PROSTEIN RENAL CELL CARCINOMA MARKER S100</p> <p>SMOOTH MUSCLE MYOSIN</p>	<p>A</p>



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
4 µm Formalin fixed paraffin embedded tissue sections (cont'd)	Immunohistochemistry for the identification of cells/diseases below: - (cont'd)	In house documented procedures & manufacturer's instructions using Ventana Benchmark Ultra system automated ICC CP-ICC-SOP-001.UN – Immunohistochemistry Procedure	A
	Synaptic and neuroendocrine Thyroid tumours Thyroid/ thyroid tumours/lung tumours Vascular smooth muscle/fibroblasts/endothelial cells/Langerhan's cells Tumour suppressor gene	SYNAPTOPHYSIN THYROGLOBULIN THYROID TRANSCRIPTION FACTOR 1 VIMENTIN  WILMS TUMOUR SUPPRESSOR GENE MARKER (WT1)	
4 µm Formalin fixed paraffin embedded tissue sections	Staining to identify suspected pathogens or demonstrate specific cellular components that aid in the evaluation of disease states	Tinctorial staining techniques performed on Roche Benchmark Special Staining machine following the Roche protocol for the use "Benchmark Special Staining System Operator guide" and CP-HIS-SST-001.UN – Special Stain Procedures (and can also be performed manually) using the following SOP's:	A
	Mixed Mucins	CP-SST-INS-001 Alcian Blue PAS/DPA	
	Acid Mucins	CP-SST-INS-003.UN Special Stain: Alcian Blue	
	Helicobacter pylori	CP-SST-INS-004.UN Special Stain: Alcian Yellow	
	Amyloid	CP-SST-INS-005.UN Special Stain: Congo Red	



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	A
4 µm Formalin fixed paraffin embedded tissue sections (cont'd)	Staining to identify suspected pathogens or demonstrate specific cellular components that aid in the evaluation of disease states (cont'd)	Tinctorial staining techniques performed on Roche Benchmark Special Staining machine following the Roche protocol for the use "Benchmark Special Staining System Operator guide" and CP-HIS-SST-001.UN – Special Stain Procedures and (and can also be performed manually) using the following SOP's:	
	Acid & Neutral mucins	CP-SST-INS-015.UN Special Stain: Periodic Acid Schiff	
	Fungi	CP-SST-INS-007.UN Special Stain: Grocotts Hexamine Silver stain for Fungi	
	Reticulin	CP-SST-INS-019.UN Special Stain: Reticulin	
	Glomerular Basement Membrane	CP-SST-INS-010.UN Special Stain: Methenamine Silver	
	Fungi/Glycogen/Mucins	CP-SST-INS-015.UN Special Stain: Periodic Acid Schiff	
	Iron	CP-SST-INS-016.UN Special Stain: Perls Prussian Blue	
	Mycobacteria: Modified bacilli and atypical bacilli	CP-SST-INS-023.UN Special Stain: Ziehl Neelsen	





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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions (cont'd)	A
4 µm Formalin fixed paraffin embedded tissue sections	<u>Immunohistochemistry</u> (cont'd)	Manual staining using the following SOPs:-	
	Staining to identify suspected pathogens or demonstrate specific cellular components that aid in the evaluation of disease states	CP-SST-INS-002.UN Special Stain: Alcian Blue with Hyaluronidase Digestion	
	Acid Mucins, Glucoaminoglycans	CP-GYN-SOP-016.UN Alizarin Red Procedure for	
	Calcium Apatite Crystal Demonstration.	CP-SST-INS-011.UN Special Stain: Millers Elastic Van Gieson	
	Elastic/Muscle/Connective tissue	CP-SST-INS-012.UN Special Stain: Modified Giemsa for Helicobacter Pylori	
	Helicobacter	CP-SST-INS-006.UN Special Stain: Gram	
	Bacterial Cells	CP-SST-INS-013.UN Special Stain: Martius Scarlet Blue (MSB)	
	Connective Tissue	CP-SST-INS-008.UN Special Stain: Masson Fontana for Melanin	
	Melanin	CP-SST-INS-017.UN Special Stain: Picro-Mallory	
	Muscle and fibrin & Glial cells	CP-SST-INS-018.UN Special Stain: Picro Sirius Red	
	Collagen Fibres	CP-SST-INS-020.UN Special Stain: Shikata	
	Hepatitis B surface antigen, copper associated protein		



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
4 µm Formalin fixed paraffin embedded tissue sections (cont'd)	Staining to identify suspected pathogens or demonstrate specific cellular components that aid in the evaluation of disease states (cont'd)	Manual staining using the following SOPs:-	A
	Melanin Bleaching Test	CP-SST-INS-009.UN Special Stain:	
	Mast Cells	CP-SST-INS-021.UN Special Stain: Toluidine Blue	
	Collagen	CP-SST-INS-022.UN Special Stain: Van Gieson	
	Calcium	CP-SST-INS-025.UN Special Stain: Von Kossa	
5 µm cryostat sections of skin or renal biopsy tissue mounted on adhesive slides	Detection of antibodies to IgA, C1, C3, IgG, Kappa, Lambda, IgM	Application of antibodies conjugated to fluorescein isothiocyanate (FITC) causes binding to the corresponding cellular antigen using the following procedures: - CP-STQ-SOP-004.UN Immunofluorescence Procedure for Fresh Skin Biopsies CP-STQ-SOP-003.UN Receipt and Handling of Renal Biopsies CP-STQ-SOP-002.UN Frozen Section Receipt Handling and Processing and use of Leica or Bright Cryostat	A
Slides prepared in house as above	Morphological assessment and interpretation/diagnosis	Light microscopy with reference to CP-GYN-SOP-021.UN and use of Leica DM2500. DMLB, Nikon Eclipse 50I, E400, E600and OlympusBX50F-3 microscopes.	A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Seminal Fluid ejaculate	<b><u>Andrology</u></b>  Seminal Fluid Analysis for Fertility Investigation  Liquefaction/viscosity Volume pH Microscopy Motility Concentration Morphology	Semen Analysis Manual In-house procedures following the guidelines below: WHO Laboratory Manual for the Examination of Human Semen and Sperm-Cervical Mucus Interaction 5th Edition. and with reference to: - CP-FER-SOP-003.UN Semen Analysis (Infertility) Light Microscopy of direct slides and concentration using improved Neubauer Haemocytometer, phase contrast microscopy for motility, pH using pH paper strips, viscosity using large bore pipettes	A, B
Seminal Fluid ejaculate	Post Vasectomy Seminal Fluid Analysis: sperm presence/absence	Semen Analysis Manual In-house procedures following the guidelines below:  2016 Laboratory guidelines for post vasectomy semen analysis: Association of Biomedical Andrologists, the British Andrology Society and the British Association of Urological Surgeons. P Hancock, B J WoodWard, A Muneer, J C Kirkman-Brown.  and with reference to: - WHO 2010 Manual 5 <sup>th</sup> Ed. with reference to following procedure: - CP-FER-SOP-001.UN Post Vasectomy Semen Analysis  CellVision Fixed depth Glass slides Manual microscopy.	A





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HUMAN FLUIDS & TISSUES (cont'd)	<p><u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)</p> <p><b>Cytopathology</b> (cont'd)</p> <p>Non-Gynaecological Cytopathology for the purposes of identification of abnormal cells.</p>	<p>Documented in-house procedures with manufacturer's instructions</p> <p>Preparation of Non-gynaecological Cytology specimens to allow differentiation of cells with the standard light microscope: CP-NGY-SOP-001.UN Cytology Specimen Numbering CP-NGY-SOP-002.UN Centrifuge Preparation CP-NGY-SOP-003.UN Cytocentrifuge Preparation</p> <p>Specific procedures for the following sample types: -</p>	A
Fine Needle Aspiration samples		CP-NGY-SOP-004.UN Preparation of Fine Needle Aspiration (FNAs)	A
Bronchial Brush and EBUS samples in Cytolyt, Bronchial wash samples in Cytolyt, Sputum		CP-NGY-SOP-006.UN Preparation of EBUS FNA Samples CP-NGY-SOP-005.UN Preparation of Bronchial Brushings, Washings and Sputum Samples	A
Oesophageal Brush samples in Cytolyt Oesophageal wash samples in cytolyt Gastric Brush samples in Cytolyt Gastric wash samples in cytolyt		CP-NGY-SOP-007.UN Preparation of Oesophageal, biliary and Gastric Brushings, Washings Samples	A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Urine	<u>Cytopathology</u> (cont'd)	CP-NGY-SOP-008.UN Preparation of Urine Samples	A
Breast cyst fluid Peritoneal fluid Ascitic fluid Pleural Fluid Ovarian cyst fluid Hydrocele fluid		CP-NGY-SOP-009.UN Preparation of Fluid Samples	A
Cerebrospinal fluid		CP-NGY-SOP-010.UN Preparation of Cerebrospinal Fluid (C.S.F) Samples	A
Prepared cytology slides	Staining of prepared slides to assist in identification of abnormal cells.	CP-GYN-SOP-032.UN Use and Maintenance of the Prisma Stainer Coverslipper  CP-GYN-SOP-009.UN Screening Cervical Cytology LBC Preparations Staining using Papanicolaou  CP-NGY-SOP-016.UN Alizarin Red Procedure for Demonstration of Calcium Apatite Crystals  CP-NGY-SOP-017.UN Assisting with FNA Procedures in other Hospital Location  CP-NGY-SOP-019.UN Preparation of Thrombin for Use in Cytology Clot Formation	A
Slides prepared in house as above	Morphological assessment and interpretation/diagnosis	Light microscopy with reference to CP-GYN-SOP-021.UN and use of Leica DM2500. DMLB, Nikon Eclipse 50I, E400, E600and OlympusBX50F-3 microscopes.	A



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures with manufacturer's instructions	
	<b><u>Provision of Point of Care testing in accordance with ISO 22870:2016 related to the following:</u></b>		
Whole Blood	PoCT Full Blood Count -RBC -WBC -HCT -PLATELET -NEUTROPHIL -LYMPHOCYTE -MONOCYTE -EOSINOPHIL BASOPHIL -HB	Sysmex XS-1000i  Measurement via flow cytometry and Hydro Dynamic Focusing  PC-FBC-SOP-001.UN	A, B, C
Whole blood	PoCT Blood Gas -pH -pCO2 -pO2 -ctHb -sO2 -cK -cNa -cCa -cGlu -cLac -ctBil -COHb -O2Hb -MetHb	Radiometer ABL800 series Radiometer ABL 90 Flexplus  Potentiometry and Amperometry  PC-GAS-SOP-001.UN PC-GAS-SOP-005.UN PC-GAS-SOP-006.QE.ST	A, B, C



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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis (cont'd)</u>  <b><u>Provision of Point of Care testing in accordance with ISO 22870:2016 related to the following:</u></b> (cont'd)	Documented in-house procedures with manufacturer's instructions	
Whole Blood	PoCT INR	Roche CoaguChek XS Pro  Electrochemical measurement of prothrombin time following activation of blood coagulation with human recombinant thromboplastin  PC-INR-SOP-001.QE.ST	A
Whole Blood	PoCT Haemoglobin	Radiometer HemoCue Hb 201 DM  Potentiometry measuring principles which yield an azidemethaemoglobin reaction.  PC-HBN-SOP-001-QE.ST	A
Whole Blood	PoCT Glucose	Roche Accu-Chek Inform II  Electrical detection of enzyme reaction on test strip, mutant variant of quinoprotein glucose dehydrogenase (Mut. Q-GDH), from Acinetobacter calcoaceticus, recombinant in E. coli, converts the glucose in the blood sample to gluconolactone  PC-GLU-SOP-001.UN	A, B, C, E





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HUMAN FLUIDS & TISSUES (cont'd)	<u>Pathological examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures with manufacturer's instructions	
	<b><u>Provision of Point of Care testing in accordance with ISO 22870:2016 related to the following:</u></b> (cont'd)		
Whole blood	HbA1C	Siemens DCA Vantage	A
		Latex immunoagglutination inhibition methodology. PC-HBC-SOP-001-QE.ST	
Urine	Screen: blood, glucose, ketone, protein, SG, pH, urobiligen, bilirubin, ascorbic acid, nitrites and leucocytes	Siemens CLINITEK 50, Status and Status + models.  Reflectance photometry	A
		Main SOP Reference(s): PC-URI-SOP-002-QE and PC-UI-SOP-003-QE.ST	
<b>(See Appendix A below for detailed locations of accredited POCT examinations)</b>			
END			



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### Gateshead Health NHS Foundation Trust

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## Appendix A

Queen Elizabeth Hospital Delivery Points (A)	Glucose Roche AccuChek Inform II
Ward 1 Mt 1	X
Ward 1 Mt 2	X
EAU (New ECC) Mt 1	X
EAU (New ECC) Mt 2	X
Short Stay Unit Mt 1 (SSU)	X
Short Stay Unit Mt 2 (SSU)	X
A&E Triage T.04	X
A&E Resus	X
A&E Minors Mt 1	X
A&E Minors Mt 2	X
A&E Majors Mt 1	X
A&E Majors Mt 2	X
Paed A&E	X
Ward 9	X
Ward 11	X
Ward 12 / PIU	X
Ward 14 Mt 1	X
Ward 14 Mt 2	X
Emergency Surgical Assessment Unit (Located on Ward 9)	X
X-ray	X
ENT	X
Ward 4	X
Biochemistry	X
Colposcopy	X
Winter Bed (Old Ward 14a)	X
Endoscopy Mt1	X
Endoscopy Mt2	X
OPD	X
Windy Nook (new OPD)	X
CCD (HDU)	X
CCD (ITU)	X
Theatre Holding Bay	X
Theatre Recovery	X
Surgical Admission Suite (QE POD)	X
Ward 8 Cardiology Mt 1	X



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Queen Elizabeth Hospital Delivery Points (A)	Glucose Roche AccuChek Inform II
Ward 8 Cardiology Mt 2	X
Ward 9	X
Ward 11	X
Ward 12 / PIU	X
Ward 14 Mt 1	X
Ward 14 Mt 2	X
Emergency Surgical Assessment Unit (Located on Ward 9)	X
Jubilee Day Unit	X
Ward 21	X
Ward 22	X
Ward 23 Male	X
Ward 23 Female	X
Ward 24 Mt1	X
Ward 24 Mt2	X
Ward 25 (Contact: Denise West)	X
SC Recovery	X
SC POD	X
SC Level 1	X
SC Level 2	X
Pre Op Assesment Level 3	X
ECT	X
Lamesley Ward	X
Fellside Ward	X
Sunniside Ward (Located Lyndhurst, Tranwell)	X
Craigside Court (Female)	X
Antenatal/Postnatal Ward	X
Labour Ward	X
Pregnancy Assessment Unit	X
Chemo Day Unit	X
Ward 20	X
St Bedes (Elmwood) (QEH)	X
Diabetes Unit	X
Ellison Unit	x



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<b>Queen Elizabeth Hospital Delivery Points (A)</b>	<b>INR Roche CoaguChek XS Pro/Pro Plus</b>
QEH - Unstable INR Clinic	X
Endoscopy	X
SCPods	X
Ambulatory care	X
<b>Queen Elizabeth Hospital Delivery Points (A)</b>	<b>Haemoglobin Radiometer HemoCue</b>
Labour ward	X
Theatre Recovery	X
Theatre Reception	X
<b>Queen Elizabeth Hospital Delivery Points (A)</b>	<b>Full Blood Count Sysmex XS-1000i</b>
Chemotherapy Day Unit	X
Medical Outpatients	X
<b>City Hospital Sunderland (B)</b>	<b>Full Blood Count Sysmex XS-1000i</b>
Phoenix Unit	X
<b>South Tyneside General Hospital Delivery Points (C)</b>	<b>Full Blood Count Sysmex XS-1000i</b>
Oncology/Haematology Day Unit	X



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<b>Queen Elizabeth Hospital Delivery Points (A)</b>	<b>HbA1C Siemens DCA Advantage</b>
Ward 20 COPD Trinity Square diabetic clinic	X X
<b>Queen Elizabeth Hospital Delivery Points (A)</b>	<b>Blood Gases Radiometer ABL800 Series and ABL90 Flexplus</b>
Critical care A&E Biochemistry SCBU Labour Ward Emergency Admission Unit	X X (ABL90) X X X X (ABL90)
<b>City Hospital Sunderland (B)</b>	<b>Blood Gases Radiometer ABL800</b>
Biochemistry	X
<b>South Tyneside General Hospital Delivery Points (C)</b>	<b>Blood Gases Radiometer ABL90Flexplus and ABL800</b>
Labour Ward Biochemistry	X (ABL90) X (ABL800)



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Queen Elizabeth Hospital Delivery Points (A)	Urinalysis Siemens Clinitek 50, Status, Status +
Short Stay Unit	X
22	X
Surgical Admissions Unit (QE POD)	X
Surgical Centre POD	X
Surgical Pre Assessment Level 3	X
Ellison Unit BGH	X
QEH Outpatients Nurses Rm 13/14/15/16 Blaydon	X
Primary Care Centre Riverside	X
Woodside Unit/St Bede's Day Unit DHH	X
14a Winter Beds - closed in summer	X
Ward 1	X
Ward 4	X
Ward 8 (Cardiology)	X
Ward 9	X
Ward 11	X
Ward 14	X
Ward 20	X
Ward 23	X
Ward 24	X
Ward 25	X
Ward 12/PIU	X
Ward 21	X
A&E Minors 1 and 2	X
A&E Majors	X
Chemo Day Unit	X
COPD (Paeds OP)	X
Jubilee Day Hosp	X
Labour Ward/Delivery Suite	X
EAU (Emergency Assessment Unit) 1 and 2	X
Paeds A+E	X
Post Natal/Ante Natal	X
Pregnancy Assessment Unit	X



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<b>Queen Elizabeth Hospital Delivery Points (A)</b>	<b>Urinalysis Siemens Clinitek 50, Status, Status +</b>
St Bedes (Elmwood), QEH	X
Surgery Centre Level 1	X
Surgery Centre Level 2	X
Urology	X
QE Outpatients	X
Sunniside Unit (Tramwell Unit)	X
Cragside Court (Females)	X
Cragside Court (Males)	X
Diabetes Centre, Trinity Square Health Centre	X
Womens Health	X
<b>South Tyneside General Hospital Delivery Points (C)</b>	<b>Glucose Roche AccuChek Inform II</b>
A&E Majors M1	X
A&E Majors M2	X
A&E Majors M 3	X
A&E Triage	X
A&E Ambulatory Care	X
A&E RESUS	X
Adult Physiotherapy Cardiac Rehab (PALMER'S)	X
Bede 1	X
Bede 2	X
Bede 3	X
Cardiac Rehab (STDH)	X
DC (Diagnostic Clinic -OPD)	X
Endoscopy Day Ward	X
General Theatres Recovery M1	X
General Theatres Recovery M2	X
ITU / HDU M1	X
ITU / HDU M2	X
ITU / HDU M3 (NURSES STATION)	X
ITU / HDU M4	X



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<b>South Tyneside General Hospital Delivery Points (C)</b>	<b>Glucose Roche AccuChek Inform II</b>
ITU / HDU M5 (SIDE ROOM 2)	X
ITU / HDU M6 (SIDE ROOM 1)	X
Jane Palmer Day Ward (PALMER'S HOSPITAL)	X
Moorlands Day Unit M1	X
Moorlands Day Unit ENDO	X
OPD (Palmer's Out Patient) M1	X
OPD (Palmer's Out Patient) M2	X
Primrose Unit on Wd 20	X
Special Care Baby Unit	X
St Clares (At primrose Hill Hospital)	X
Ward 1- M1	X
Ward 1- M2	X
Ward 10-M1	X
Ward 10 M2	X
Ward 12	X
ECC M2	X
Ward 18	X
Ward 19 MT 1	X
Ward 19 MT 2	X
Ward 2 Mt 1	X
Ward 2 Mt 2	X
Ward 22	X
Ward 25 (Delivery) - G33	X
Ward 3 MT 1	X
Ward 3 MT 2	X
Ward 4 MT 2	X
Ward 4 MT 3 PA1306	X
Ward 4 PA1339 (MT 1)	X
Ward 4 PA1340 Sister Franklin	X
Ward 5 - M1	X
Ward 5 - M2	X
EAU A	X
EAU M1	X
Ward 6 (Card) M2	X
Ward 6 (Card) M3	X
Ward 6 (CCU)	X
Ward 8 (Stroke Unit)	X
Ward 9 M1	X





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<b>South Tyneside General Hospital Delivery Points (C)</b>	<b>Glucose Roche AccuChek Inform II</b>
Ward 9 M2	X
Paediatric Emergency Care Centre (ECC)	X
Ward 11 OHDU	X
Ward 7 Winter Pressures	X
X-RAY MT 1	X
X-RAY MT 2	X
<b>City Hospital Sunderland (B) and Eye Infirmary (E) Delivery Points</b>	<b>Glucose Roche AccuChek Inform II</b>
A & E ANNEXE	X
A & E SEE & MANAGE ROOMS/TRIAGE	X
A & E Paediatrics	X
A & E RESUS	X
A & E WALK IN	X
A&E Triage	X
A&E SPARE	X
A/E Pallion Centre	X
Ward C33	X
AMU Ward C34 M2 (ON D44)	X
AMU Ward C34 M1 (ON E55)	X
AMU Ward C35 (RATU) M3	X
Antenatal Clinic	X
Antenatal Day care	X
Anatenatal/Postnatal Ward	X
Catheter lab B22	X
Delivery Suite	X
DIAB/ENDO/METB MED	X
Endscopy Unit	X
Fracture Clinic	X
GUM Clinic	X
Phoenix Unit Chemo Day Unit	X



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<b>City Hospital Sunderland (B) and Eye Infirmary (E) Delivery Points</b>	<b>Glucose Roche AccuChek Inform II</b>
ICCU Ward 38 RM 01	X
ICCU Ward 38 RM 02	X
ICCU Ward 38 RM 03	X
ICCU Ward 38 RM 04	X
ICCU Ward 38 RM 05	X
ICCU Ward 38 RM 06	X
ICCU Ward 38 RM 07	X
ICCU Ward 38 RM 08	X
ICCU Ward 38 RM 09	X
ICCU Ward 38 RM 10	X
ICCU Ward 38 RM 11	X
ICCU Ward 38 RM 12A	X
ICCU Ward 38 RM 12B	X
ICCU Ward 38 RM 14	X
ICCU Ward 38 RM 15	X
ICCU Ward 38 RM 16	X
ICCU Ward 38 RM 18	X
MEDICAL DAY CARE UNIT	X
NIALL QUINN CHILDRENS	X
OPD ORAL AND FACIAL	X
PODIATRY DEPT	X
RENAL UNIT	X
RENAL Ambulatory Care	X
SURGICAL DAY CASE	X
LEVEL D MT1	
SURGICAL DAY CASE	X
LEVEL D MT2	
SURGICAL DAY CASE	X
LEVEL D MT3	
Theatres F65	X
Theatres LEVEL C M1	X
Theatres LEVEL C M2	X
Theatres LEVEL C M3	X
Theatres LEVEL C M4	X
Theatres LEVEL D	X
RECOVERY 1 (10/11) MT1	



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Theatres LEVEL D RECOVERY 2 (D1 TO D9) MT3	X
Theatres LEVEL D RECOVERY 2 (D1 TO D9) MT4	X
Urology Theatres LEVEL D MT1	X
Urology Theatres LEVEL D MT2	X
Urology OPD	X
Ward B20	X
Ward B21	X
Ward B22 (Cardiology)	X
Ward B22 (CCU)	X
Ward B22 (Chest Pain)	X
Ward B26 (Renal Ward)	X
Ward B28 M1	X
Ward B28 M2	X
Ward B28 M3	X
Ward B28 M4	X
Ward C30	X
Ward C31	X
Ward C36	X
Surgical Day Case Unit C LEVEL MT2	X
Ward C37 Surgical Day Case MT3	X
Ward D40 (re-opened 17/11/14)	X
Ward D41	X
Ward D42	X
Ward D43	X
Ward D44 (Integrated Admissions Unit) Mt1	X
Ward D44 (Integrated Admissions Unit) Mt2	X
Ward D46	X
Dosa Unit (Urology) D Floor	X
Ward D47 (GYNAE)	X



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Ward D48 M1	X
Ward D48 M2	X
Ward E50	X
Ward E51	X
Ward E52	X
Ward E53 MT1	X
Ward E53 MT2	X
Ward E54	X
Ward E55	X
Ward E56	X
Ward E58 M1	X
Ward E58 M2	X
Ward F61 M1	X
Ward F61 M2	X
Ward F62	X
Ward F63	X
Ward F64	X
Ward F65	X
C LEVEL X-RAY	X
Sunderland Eye Infirmary A & E	X
Cataract Theatre 1	X
Cataract Theatre 2	X
HAYGARTH clinic	X
HAYGARTH Ward	X
Macular Unit	X
Mayling Clinic	X
OPD A	X
OPD B	X
Theatre 1 DAY	X
Theatre 2 DAY	X
Theatre RECOVERY	X
Central Clinic Childrens Centre	X