Schedule of Accreditation

Organisation Name	HSE Cork University Hospital
Trading As	Laboratory Medicine, Cork University Hospital
INAB Reg No	333MT
Contact Name	Paul Cantwell
Address	Cork University Hospital, Wilton, Cork, T12 DC4A
Contact Phone No	021 4921318
Email	paul.cantwell@hse.ie
Accreditation Standard	EN ISO 15189
Standard Version	2022
Date of award of accreditation	09/06/2015
Scope Classification	Microbiology and Virology
Scope Classification	Haematology
Scope Classification	Histopathology and Cytopathology
Scope Classification	Chemical Pathology
Services available to the public[1]	Yes

[1] Refer to document on interpreting INAB Scopes of Accreditation

Sites from which accredited services are delivered		
(the detail of the accredited services delivered at each site are on the Scope of Accreditation)		
	Name	**Address**
1	Head Office	Laboratory Quality Manager, Laboratory Medicine, Cork University Hospital, Wilton, Cork

Scope of Accreditation

Head Office

Chemical Pathology

Category: A

Medical pathology field - Test	Test/assay	Specimen Type	Technique	Equipment/Range of Measurement	Method (CE/Non-CE/In house developed/based on standard method)	Std. Ref & SOP
1061 Clinical Chemistry - .01 Analytes in general use in cardiac, liver function, lipid, renal and other profiles and metabolic studies	Alanine Transaminase (ALT)[1234]	Plasma/Serum	IFCC with PNPP	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Albumin[1234]	Plasma/Serum /Urine	Bromocresol Green Turbidimetry (Urines)	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Alkaline Phosphatase[1234]	Plasma/Serum	IFCC	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Ammonia[1234]	Plasma	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Amylase[1234]	Plasma/Serum /Urine	IFCC	Beckman Coulter AU General Chemistry	CE Marked Assay	PPG-CUH-PAT-1420

			Analyser		
Angiotensin converting enzyme[1234]	Serum	FAPGG	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Aspartate aminotransferase (AST)[1234]	Plasma/Serum	IFCC	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Bicarbonate[1234]		Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Bile Acids[1234]	Serum	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Calcium[1234]	Plasma/Serum /Urine	Colorimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Calculated Globulin**[1234]	Serum	Calculated Parameter	na	Based on Standard Method	INS-CUH-PAT-126
Chloride[1234]	Plasma/Serum /Urine	Indirect ISE	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Cholesterol[1234]	Plasma/Serum	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Creatinine Kinase (CK)[1234]		IFCC	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Creatinine[1234]		Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420

Direct Bilirubin[1234]		Diazo	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Gamma-glutamyl transpeptidase (GGT)[1234]		IFCC	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Glucose (Fasting/Random)[1234]	Plasma	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
HDL Cholesterol[1234]	Plasma/Serum	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Lactate Dehydrogenase (LDH)[1234]		IFCC	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Lactate[1234]	Plasma	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Magnesium[1234]	Plasma/Serum /Urine	Colorimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Osmolality[1234]	Serum/Urine	Freezing Point measurement	Advanced Instruments Osmometer OsmoPro	CE Marked Assay	PPG-CUH-PAT-195
Phosphate[1234]	Plasma/Serum /Urine	Ammonium Molybdate	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Potassium[1234]		Indirect ISE	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420

	Sodium[1234]		Indirect ISE	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Total Bilirubin[1234]	Plasma/Serum	Diazo Method	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Total Protein[1234]		Colorimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Triglyceride[1234]		GPO-PAP	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Urate[1234]	Plasma/Serum /Urine	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Urea[1234]		Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Urinary Protein[1234]	Urine	Pyrogallol Red	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
1061 Clinical Chemistry - .02 Proteins, quantitative analysis	A1-Antitrypsin[1234]	Serum	Immunoturbidimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Anti-Thyroid Peroxidase Ab's[1234]		CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Ceruloplasmin[1234]		Immunoturbidimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	C-Reactive Protein[1234]	Plasma/Serum	Immunoturbidimetric	Beckman Coulter AU General	CE Marked Assay	PPG-CUH-PAT-1420

				Chemistry Analyser		
	Free Kappa Light Chains[124]	Serum	Immunoturbinetric	Optilite IE700	CE Marked Assay	PPG-CUH-PAT-99
	Free Lambda Light Chains[124]		Immunoturbinetric	Optilite IE700	CE Marked Assay	PPG-CUH-PAT-99
	Haptoglobin[1234]		Immunoturbid-imetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Insulin-like Growth Factor 1 (IGF1)[1234]		Immunoassay	IDS-i10	CE Marked Assay	PPG-CUH-PAT-4040
	NTproBNP[1234]		CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Procalcitonin**1,2,3,4		Immunoassay	Beckman DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Troponin I (hs)[1234]		CMIA	Beckman DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
1061 Clinical Chemistry - .03 Proteins, qualitative and semiquantitative analysis	Bence-Jones Protein[1234]	Urine	Electrophoresis	Sebia Hydrasys II	CE Marked Assay	PPG-CUH-PAT-222
	Paraprotein Type (Serum)[1234]	Serum	Immuno-fixation	Sebia Hydrasys	CE Marked Assay	PPG-CUH-PAT-219
	Protein Electrophoresis[1234]		Electrophoresis	Sebia Capillarys III	CE Marked Assay	PPG-CUH-PAT-223
1061 Clinical Chemistry - .10 Drugs for therapeutic monitoring	Carbamazepine[1234]		Enzymatic *(change in enzymatic methodology from CEDIA to Emit)	AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Digoxin[1234]		Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Lithium[1234]		Colorimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Methotrexate**[1234]		EMIT	Beckman Coulter AU General	CE Marked	PPG-CUH-PAT-1420

				Chemistry Analyser		
	Paracetamol[1234]		Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Phenobarbitone[1234]		EMIT	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Phenytoin[1234]		EMIT	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Tacrolimus**[1234]	Whole Blood	QMS(Turbidimetric)	Beckman Coulter AU General Chemistry Analyser	CE Marked	PPG-CUH-PAT-1420
	Theophyline[1234]	Serum	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Valproate[1234]		Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
1061 Clinical Chemistry - .14 Alcohol for non-legal purposes	Alcohol[1234]	Serum/Urine	EMIT	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
1061 Clinical Chemistry - .15 Drugs for toxicological purposes	Salicylate[1234]	Serum	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
1061 Clinical Chemistry - .20 Hormones	AMH[1234]	Serum/plasma	CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Cortisol[1234]	Serum	CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	C-peptide**[1234]	Serum/plasma	Chemisluminescent	Beckman Coulter	CE Marked Assay	PPG-CUH-PAT-4036

				DxI 9000		
	Follicle-stimulating hormone (FSH)[1234]	Serum	CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Free T3[1234]		CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Free T4[1234]		CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Growth Hormone[1234]		CMIA	IDS-i10	CE Marked Assay	PPG-CUH-PAT-4040
	Insulin**[1234]	Serum/plasma	Chemisluminescent	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Luteinizing hormone (LH)[1234]	Serum	CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Oestradiol[1234]		CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Parathyroid hormone (PTH)[1234]	EDTA-Plasma	CMIA	Beckman Coulter DxI 800	CE Marked Assay	PPG-CUH-PAT-4037
	Progesterone[1234]	Serum	CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Prolactin[1234]		CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Sex Hormone-Binding Globulin[1234]		CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Testosterone[1234]		CMIA	Beckman DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Thyroid-stimulating hormone (TSH)[1234]		CMIA	Beckman DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
1061 Clinical Chemistry - .30 Sweat electrolytes	Sweat Chloride	Sweat	Coulometric Titration	Wescor Chlorochek	Based on Standard Method	PPG-CUH-PAT-228
1061 Clinical Chemistry - .32 Maternal markers for foetal wellbeing	Human chorionic gondadotropin (hCG)[1234]	Serum	CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
1061 Clinical Chemistry - .40 Iron studies	Ferritin[1234]		CMIA	Beckman Coulter DXI9000	CE Marked Assay	PPG-CUH-PAT-4036
	Iron[1234]		Ferrazine	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420

	Transferrin[1234]	Immunoturbid-imetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
1061 Clinical Chemistry - .45 Vitamin B12 and folate	Folate[1234]	CMIA	Beckman Coulter DXI9000	CE Marked Assay	PPG-CUH-PAT-4036
	Vitamin B12[1234]	CMIA	Beckman Coulter DXI9000	CE Marked Assay	PPG-CUH-PAT-4036
1061 Clinical Chemistry - .47 Vitamin assays	Vitamin D [1234]	CMIA	Beckman DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
1061 Clinical Chemistry - .50 Protein and peptide tumour markers	Alphafetaprotein[1234]	CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Ca125[1234]	CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Ca15-3[1234]	CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Ca19-9[1234]	CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Carcinoembryonic Antigen (CEA)[1234]	CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	PSA (Total)[1234]	CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
1061 Clinical Chemistry - .80 Quantitative investigation of immunoglobulins G, A, M and in body fluids	IgA[1234]	Immunoturbidimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	IgG[1234]	Immunoturbidimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	IgM[1234]	Immunoturbidimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
1061 Clinical Chemistry - .86 C3 and C4	Complement C3[1234]	Immunoturbidimetric	Beckman Coulter AU General Chemistry	CE Marked Assay	PPG-CUH-PAT-1420

				Analyser		
	Complement C4[1234]		Immunoturbidimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
1061 Clinical Chemistry - .99 Miscellaneous tests	%Iron Saturation[1234]		Calculated Parameter	n/a	Based on Standard Method	INS-CUH-PAT-126
	24 Hour Urinary Amylase[1234]	Urine	Calculated Parameter	n/a	Based on Standard Method	INS-CUH-PAT-126
	24 Hour Urinary Magnesium[1234]		Calculated Parameter	n/a	Based on Standard Method	INS-CUH-PAT-126
	24 Hour Urinary Phosphate[1234]		Calculated Parameter	n/a	Based on Standard Method	INS-CUH-PAT-126
	24 Urinary Urea[1234]		Calculated Parameter	n/a	Based on Standard Method	INS-CUH-PAT-126
	24hr Urinary Calcium[1234]		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	24hr Urinary Chloride[1234]		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	24HR Urinary Creatinine[1234]		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	24hr Urinary Microalbumin[1234]		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	24hr Urinary Potassium[1234]		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	24hr Urinary Protein[1234]		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	24hr Urinary Sodium[1234]		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	24hr Urinary Urate[1234]		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	Adjusted Calcium[1234]	Serum	Calculated Parameter	n/a	Based on Standard Method	INS-CUH-PAT-126
	Amy:Creat Clearance Ratio [1234]	Urine	Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	Androgen Index	Serum	Calculated Parameter (Based on	n/a	Based on standard method	INS-CUH-PAT-126

			DxI immunoassays)			
	Ca:Creat Clearance Ration[1234]	Urine/Serum	Calculated Parameter	n/a	Annals of Clinical Biochemistry 2004; 41:441-458	INS-CUH-PAT-126
	Calcium Excretion[1234]		Calculated Parameter	n/a	Annals of Clinical Biochemistry 2004; 41:441-458	INS-CUH-PAT-126
	Creatinine Clearance[1234]		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	CSF Glucose[124]	CSF	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	CSF Lactate[124]		Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	CSF Total Protein[124]		Pyrogallol Red	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Estimated GFR	Serum	Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	Intrinsic Factor Antibody**[1234]	Serum/plamsa	CMIA	Beckman Coulter DxI 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Kappa/Lamda ratio	Serum	Calculated parameter	n/a	Based on standard method	INS-CUH-PAT-126
	Kappa: Lambda Ratio[1234]		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	LDL Calculation[1234]		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	Microalbumin Creatinine Ratio[1234]	Urine	Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	Ur.Protein /Creat. ratio[1234]		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	UTP:Creat Ratio[1234]		Calculated Parameter	n/a	BMI 1998; 316: 504-9	INS-CUH-PAT-126

The laboratory is accredited for a flexible scope of testing in the following categories
1 Range of measurement may be extended
2 Parameters may be added
3 Test matrices may be added
4 Equipment/kit

The hospital pathology laboratory is accredited for the provision of Point of Care testing in accordance with ISO 15189:2022 for the tests identified in category B. For further details please refer to the laboratory's list of equipment and delivery points.

Chemical Pathology

Category: B

Medical pathology field - Test	Test/assay	Specimen Type	Technique	Equipment/Range of Measurement	Method (CE/Non-CE/In house developed/based on standard method)	Std. Ref & SOP
1061 Clinical Chemistry - .01 Analytes in general use in cardiac, liver function, lipid, renal and other profiles and metabolic studies	Creatinine**[1234]	Whole Blood	Amperometry via enzymatic reactions	Abbott iStat Alinity/18-1768 umol/L	CE Marked	PPG-CUH-PAT-5028
	POC Creatinine**[1234]		Amperometry via enzymatic reactions	Abbott iStat Alinity/18-1768 umol/L	CE Marked Assay	PPG-CUH-PAT-5028
1061 Clinical Chemistry - .05 CO-oximetry	COHb**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Spectrophotometry	Radiometer ABL90 Flex Plus /0 - 100%	CE Marked	PPG-CUH-PAT-5031
		Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Siemens RP500 /CO-Oximetry	CE Marked Assay	0 - 100%	PPG-CUH-PAT-5006
	Hb**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Spectrophotometry	Radiometer ABL90 Flex Plus /5 - 20.63 g/dl	CE Marked	PPG-CUH-PAT-5031
		Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Siemens RP500 /CO-Oximetry	CE Marked Assay	5 - 20.63 g/dl	PPG-CUH-PAT-5006
	HHb**[1234]	Whole Blood taken into Heparinised Blood	Spectrophotometry	Radiometer ABL90 Flex Plus /0 -	CE Marked	PPG-CUH-PAT-5031

		Gas syringe: Arterial, Venous, Capillary		100%		
		Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Siemens RP500 /CO-Oximetry	CE Marked Assay	0 - 100%	PPG-CUH-PAT-5006
	MetHb**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Spectrophotometry	Radiometer ABL90 Flex Plus /0 - 100%	CE Marked	PPG-CUH-PAT-5031
		Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Siemens RP500 /CO-Oximetry	CE Marked Assay	0 - 100%	PPG-CUH-PAT-5006
	O2 Saturation (Blood Gas**[1234])		Siemens RP500 /CO-Oximetry	CE Marked Assay	0 - 100%	PPG-CUH-PAT-5006
	O^2Hb**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Spectrophotometry	Radiometer ABL90 Flex Plus /0 - 100%	CE Marked	PPG-CUH-PAT-5031
		Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Siemens RP500 /CO-Oximetry	CE Marked Assay	0 - 100%	PPG-CUH-PAT-5006
	sO^2**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Spectrophotometry	Radiometer ABL90 Flex Plus /0 - 100%	CE Marked	PPG-CUH-PAT-5031
		Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Siemens RP500 /CO-Oximetry	CE Marked Assay	0 - 100%	PPG-CUH-PAT-5006
1061 Clinical Chemistry - .06 Blood pH and gas tensions	Base excess**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Calculated	Radiometer ABL90 Flex Plus	CE Marked	PPG-CUH-PAT-5031

	Whole blood taken into heparinised syringe: Arterial, venous, capillary	Siemens RP500/Potentiometry	CE Marked Assay	n/a	PPG-CUH-PAT-5006
H+**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Potentiometry	Radiometer ABL90 Flex 196.663 - 20.543 nmol/L Plus/	CE Marked	PPG-CUH-PAT-5031
	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Siemens RP500, Siemens RL1240 /Potentiometry	CE Marked Assay	196.663 - 20.543 nmol/L	PPG-CUH-PAT-5006
HCO3**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Calculated	Radiometer ABL90 Flex Plus	CE Marked	PPG-CUH-PAT-5031
	Whole blood taken into heparinised syringe: Arterial, venous, capillary	Siemens RP500/Potentiometry	CE Marked Assay	n/a	PPG-CUH-PAT-5006
pCO2**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Potentiometry	Radiometer ABL90 Flex Plus / 2.277 - 19.157 kPa	CE Marked	PPG-CUH-PAT-5031
	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Siemens RP500, Siemens RL1240 /Potentiometry	CE Marked Assay	2.277 - 19.157 kPa	PPG-CUH-PAT-5006
pH**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Potentiometry	Radiometer ABL90 Flex Plus/ 6.709 - 7.688 pH units	CE Marked	PPG-CUH-PAT-5031
	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Siemens RP500, Siemens RL1240 /Potentiometry	CE Marked Assay	6.709 - 7.688 pH units	PPG-CUH-PAT-5006
pO2**[1234]	Whole Blood taken	Optical O2	Radiometer ABL90	CE Marked	PPG-CUH-PAT-5031

		into Heparinised Blood Gas syringe: Arterial, Venous, Capillary		Flex Pl6.977 - 60.743 kPa us/		
		Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Siemens RP500, Siemens RL1240 /Amperometry	CE Marked Assay	6.977 - 60.743 kPa	PPG-CUH-PAT-5006
1061 Clinical Chemistry - .07 Other analytes performed on a blood gas analyser	Chloride**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Potentiometry	Radiometer ABL90 Flex Plus /72 - 125 mmol/L	CE Marked	PPG-CUH-PAT-5031
		Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Siemens RP500 /Direct ISE	CE Marked Assay	72 - 125 mmol/L	PPG-CUH-PAT-5006
	Glucose**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Amperometry	Radiometer ABL90 Flex Plus/1.47 - 35.8 mmol/L	CE Marked	PPG-CUH-PAT-5031
		Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Siemens RP500 /Amperometry	CE Marked Assay	1.47 - 35.8 mmol/L	PPG-CUH-PAT-5006
	Ionized Calcium **[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Potentiometry	Radiometer ABL90 Flex Plus /0.537 - 2.883 mmol/L	CE Marked	PPG-CUH-PAT-5031
	Ionized Calcium**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Siemens RP500 /Potentiometry	CE Marked Assay	0.537 - 2.883 mmol/L	PPG-CUH-PAT-5006
	Lactate**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Amperometry	Radiometer ABL90 Flex Plus/0.553 - 17.14 mmol/L	CE Marked	PPG-CUH-PAT-5031
		Whole Blood taken	Siemens RP500	CE Marked Assay	0.553 - 17.14 mmol/L	PPG-CUH-PAT-5006

		into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	/Amperometry			
	Neonatal Bilirubin**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Spectrophotometry	Radiometer ABL90 Flex Plus34 - 403.7 umol/L /	CE Marked	PPG-CUH-PAT-5031
		Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Siemens RP500 /Potentiometry	CE Marked Assay	34 - 403.7 umol/L	PPG-CUH-PAT-5006
	Potassium**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Potentiometry	Radiometer ABL90 Flex Plus1.496 - 11.163 mmol/L /	CE Marked	PPG-CUH-PAT-5031
		Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Siemens RP500/Direct ISE	CE Marked Assay	1.496 - 11.163 mmol/L	PPG-CUH-PAT-5006
	Sodium	Whole Blood taken into Heparinised Blood Gas Syringe /Capillary or Serum Sample	Siemens RP500 /Direct ISE	CE Marked Assay	111.93 - 164.3 mmol/L	PPG-CUH-PAT-5006
	Sodium**[1234]	Whole Blood taken into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Potentiometry	Radiometer ABL90 Flex Plus/ 111.93 - 164.3 mmol/L	CE Marked	PPG-CUH-PAT-5031
1061 Clinical Chemistry - .76 Simple side tests for biochemical and immunological analytes	Glucose**[1234]	Whole Blood	Electrochemical	Nova StatStrip / 0.6-33 mmol/L	CE Marked	PPG-CUH-PAT-5032
	Ketone**[1234]		Electrochemical	Nova StatStrip / 0.1 -7.0 mmol/L	CE Marked	PPG-CUH-PAT-5032
1061 Clinical Chemistry - .99 Miscellaneous tests	Estimated GFR**[1234]		Calculated parameter	Abbott iStat Alinity/0-60 mL/min/1.73m2	CE Marked	PPG-CUH-PAT-5028

			Calculated parameter	Abbott iStat Alinity/0-60 mL/min/1.73m2	CE Marked Assay	PPG-CUH-PAT-5028

The laboratory is accredited for a flexible scope of testing in the following categories
1 Range of measurement may be extended
2 Parameters may be added
3 Test matrices may be added
4 Equipment/kit

The hospital pathology laboratory is accredited for the provision of Point of Care testing in accordance with ISO 15189:2022 for the tests identified in category B. For further details please refer to the laboratory's list of equipment and delivery points.

Haematology

Category: A

Medical pathology field - Test	Test/Assay	Specimen Type	Technique	Range of Measurement/Equipment	Method (CE/Non-CE/In house developed/based on standard method)	Std. Ref & SOP
1030 Haematology - .01 Blood counts	White Cell Count[1234] Red Cell Count[1234] Haemoglobin[1234] Haematocrit[1234] Mean Cell Volume[1234] MCH[1234] MCHC[1234] Platelet Count[1234]	Whole Blood in EDTA	Fluorescent flow Cytometry, Hydrodynamic focusingLight scatter Impedance	XN series (new series of analysers; same model as previous)	CE Marked Assay	PPG-CUH-PAT-403 PPG-CUH-PAT-1571
1030 Haematology - .02 Visual examination of blood films	Differential white cell, red cell morphology and platelet checks[1234]	Whole blood – films	May Grunwald and Giemsa staining	SP50 Microscope	CE Marked Assay	PPG-CUH-PAT-471 PPG-CUH-PAT-475 PPG-CUH-PAT-1050
1030 Haematology - .03 Erthrocyte sedimentation rate	Automated and Manual ESR[1234]	Whole Blood in EDTA	Westegren based Sedimentation rate	Starrsed Compact ESR (Interrliner and RS) and Manual Method	CE Marked Assay	PPG-CUH-PAT-404
1030 Haematology - .05 Automated differential leucocyte counts	Neutrophils, Lymphocytes, Monocytes, Eosinophils and Basophils[1234]		Fluorescent flow Cytometry, Hydrodynamic focusing Light scatter, Impedance	XN series (new series of analysers; same model as previous)	CE Marked Assay	PPG-CUH-PAT-403 PPG-CUH-PAT-1571 PPG-CUH-PAT-1971
1030 Haematology - .06 Automated reticulocyte counts	Automated Reticulocyte count[1234]		Fluorescent flow Cytometry Impedance	XN series (new series of analysers; same model as previous)	CE Marked Assay	PPG-CUH-PAT-403 PPG-CUH-PAT-1571 PPG-CUH-PAT-1971
1030 Haematology - .08 Blood film examinations involving special staining procedures	Factor V Leiden and Prothrombin gene mutation**3,4	Whole Blood in EDTA – DNA extracted	PCR	Cobas 480, PCR	CE Marked Assay	PPG-CUH-PAT-1572

	Iron Stain[234]	Bone marrow film	Perl's Prussian Blue	Manual	Based on a standard method	PPG-CUH-PAT-476
1030 Haematology - .09 Examination of malarial parasites	Examination for malaria parasites[1234]	Whole Blood in EDTA	May Grunwald and Giemsa manual SP-50 staining and Kits	Manual Microscopy Screen and CareUs Antigen Screen	CE Marked Assay	PPG-CUH-PAT-272
	Malaria**3,4	Whole blood EDTA	PCR	Illumigene PCR bench top analyser	CE Marked Assay	PPG-CUH-PAT-1980
1030 Haematology - .20 Bone marrow examination	Bone Marrow[1234]	Bone marrow film	May-Grunwald/ Giemsa stain	SP-50 Microscope	CE Marked Assay	PPG-CUH-PAT-476 PPG-CUH-PAT-471 PPG-CUH-PAT-475 PPG-CUH-PAT-476 PPG-CUH-PAT-1050
1030 Haematology - .30 Tests for haemoglobin variants and thalassaemia	Sickle cell test[34] Haemoglobin Electrophoresis on the HYDRASYS System[1234] Hb Variants and β Thalassaemia Screen[1234]	Whole Blood in EDTA	Haemoglobin Solubility test Electrophoresis High Performance Liquid Chromatography HPLC	Clin Tech Sickle Cell KitHYDRASYS System Tosoh G11	CE Marked Assay	PPG-CUH-PAT-458 PPG-CUH-PAT-457 PPG-CUH-PAT-453
1030 Haematology - .31 Tests for foetal Hb (Kleihauer)	Kleihauer**[24]	Whole blood EDTA	Acid Elution	Manual	CE Marked Assay	PPG-CUH-PAT-479
1030 Haematology - .36 Screening tests for G6Pd	G6PD screen[34]	Whole Blood in EDTA	Fluorescence spot test Ultraviolet, kinetic determination of G6PDH	UV Lamp	CE Marked Assay	PPG-CUH-PAT-455
1030 Haematology - .40 Limited haemostasis related tests	ACTIN FSL APTT [124]	Plasma – Citrate	Clotting	Sysmex CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972
	Activated Protein C Resistance[1234]		Clotting	Sysmex CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972
	Anti Xa Heparin assay[1234]		Chromogenic	Sysmex CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972

Anti-Thrombin III Assay[1234]		Chromogenic	Sysmex CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972
Cardiolipin Antibody[1234]	Serum sample	Immunoassay	DS2	CE Marked Assay	PPG-CUH-PAT-438 PPG-CUH-PAT-440
Chromogenic Factor VIII**[1234]	Plasma - Citrate	Chromogenic	Sysmex CN-3500	CE Marked Assay	PPG-CUH-PAT-398
Direct Oral Anti-Coagulant (DOAC's)-Rivaroxiban and Apixiban**[1234]	Sodium Citrate	Chromogenic	Sysmex CN-3500	CE Marked Assay	PPG-CUH-PAT-592
DVVT: Lupus Anticoagulant Screening Test*124 DVVC: Lupus Confirmatory Test *124	Plasma – Citrate	Clotting	Sysmex CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972
Factor assays - Intrinsic Factor VIII, IX, XI, XII[1234]		Clotting	Sysmex CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972
Factor assays –Extrinsic Factor II, V, VII, X[1234]		Clotting	Sysmex CN-3500	CE Marked Assay	PPG-CUH-PAT-421 PPG-CUH-PAT-1972
Free Protein S[1234]		Immunoassay	Sysmex CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972
Protein C Assay[1234]		Chromogenic	Sysmex CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972
Thrombophilia Screen[1234]		Chromogenic and clotting	Sysmex CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972
vW screen: Antigen[1234] Ristocetin cofactor[1234]		Immunoassay Aggregometry	Sysmex CN-3500	CE Marked Assay	PPG-CUH-PAT-434 PPG-CUH-PAT-435 PPG-CUH-PAT-1972
Beta 2 Glycoprotein 1 Antibody[1234]	Serum sample	Immunoassay	DS2	CE Marked Assay	PPG-CUH-PAT-438

						PPG-CUH-PAT-439
1030 Haematology - .41 General haemostasis related tests	Prothrombin Time PT[1234] International Normalised Ratio INR[1234] Thromborel PT**1,2,3,4 Activated Partial Thromboplastin Time APTT and Ratio[1234] Fibrinogen[1234] D-Dimer[1234]	Plasma – Citrate	Clotting Clotting Immuno assay Immuno-turbidmetric	Sysmex CN-6000 and CN-3500	CE Marked Assay	PPG-CUH-PAT-442 PPG-CUH-PAT-1972 PPG-CUH-PAT-2054, PPG-CUH-PAT-2045
1030 Haematology - .45 Tests of platelet function	Platelet Aggregometry[1234]	Whole blood Plasma – Citrate	Closure Time	PFA 100	CE Marked Assay	PPG-CUH-PAT-436
1030 Haematology - .57 Screening test for infectious mononucleosis	Clearview IM Screening Test for Infectious Mononucleosis[34]	EDTA	Heterophile Antibody	Alere IM II Kit	CE Marked Assay	PPG-CUH-PAT-480
1030 Haematology - .70 Immunophenotyping	Cell Surface Markers[1234] CD2, CD3, CD4,CD5, CD7, CD8, CD10, CD11b, CD11c, CD13, CD14, CD15, CD16, CD19, CD20, CD22, CD23,CD25,CD27,CD28, CD33, CD34, CD35, CD36, CD38, CD42a CD43,CD45, CD56, CD57, CD61, CD64, CD71, CD79b,CD81,, CD103, CD105, CD117,CD200, CD203, CD138, CD235a, CD300 CD305,B2M, HLADR, Kappa, Lambda, IgM, TCR a/b, TCR g/d[1234] Intracellular Markers[1234] cyCD3, cyCD79a, cyIgM, TdT, MPO, Kappa, Lambda[1234] CD4 Assay[1234]	Whole Blood in EDTA or Bone Marrow in EDTA/RPMI	Flow Cytometry	FACS Lyse Wash Assistant (LWA) FACS Calibur, FACS Lyric, FACS Duet	CE Marked Assay	PPG-CUH-PAT-491 PPG-CUH-PAT-492 PPG-CUH-PAT-493 PPG-CUH-PAT-499 PPG-CUH-PAT-494 PPG-CUH-PAT-497 PPG-CUH-PAT-500 PPG-CUH-PAT-1973

	CD3/8/45/4[1234]					
	CSF Flow Cytometry**[124]	Cerebrospinal Fluid	Immunophenotyping	BD FACS Lyric flow cytometers 1 & 2	CE Marked Assay	PPG-CUH-PAT-1973
	Enumeration of CD34 cells[1234]	Whole Blood in EDTA	Flow Cytometry	FACS Lyric	CE Marked Assay	PPG-CUH-PAT-1973
	Multiset Immune Monitoring CD3, CD4, CD8, CD19, CD16/56[1234] CD4 Assay[1234] CD3/8/45/4[1234]		Flow Cytometry	FACS Duet, FACS Lyric, FACS Calibur	CE Marked Assay	PPG-CUH-PAT-491 PPG-CUH-PAT-492 PPG-CUH-PAT-497 PPG-CUH-PAT-498 PPG-CUH-PAT-499 PPG-CUH-PAT-500 PPG-CUH-PAT-1973
1030 Haematology - .80 Molecular genetic studies	JAK2 **2,3,4	Whole Blood in EDTA – DNA extracted	PCR	Cobas 480, PCR	CE Marked Assay	PPG-CUH-PAT-1247, PPG-CUH-PAT-1570, PPG-CUH-PAT-5111, PPG-CUH-PAT-5112
1030 Haematology - .99 Miscellaneous tests	Hb A1c[1234]	Whole Blood in EDTA	High Performance Liquid Chromatography HPLC	Tosoh G11	CE Marked Assay	PPG-CUH-PAT-451 PPG-CUH-PAT-452
	Pregnancy test[1234]	Urine	Chromographic Immunoassay	Abbott HCG Cassette	CE Marked Assay	PPG-CUH-PAT-456

The laboratory is accredited for a flexible scope of testing in the following categories
1 Range of measurement may be extended
2 Parameters may be added
3 Test matrices may be added
4 Equipment/kit

Head Office

Haematology

Category: B

Medical pathology field - Test	Test/Assay	Specimen Type	Technique	Range of Measurement/Equipment	Method (CE/Non-CE/In house developed/based on standard method)	Std. Ref & SOP
1030 Haematology - .99 Miscellaneous tests	HbA1c	Whole Blood	Latex agglutinaion/spectrophotometry	DCA Vantage/ 4-130 mmol/L	CE Marked Assay	PPG-CUH-PAT-5030
	POC HbA1c**[1234]		Inhibition of latex agglutination/spectrophotometry	DCA Vantage/4-130 mmol/l	CE Marked Assay	PPG-CUH-PAT-5030

The laboratory is accredited for a flexible scope of testing in the following categories
1 Range of measurement may be extended
2 Parameters may be added
3 Test matrices may be added
4 Equipment/kit

Category: A

Medical pathology field - Test	Test/assay	Specimen Type	Equipment/Technique	Method (CE/Non-CE/In house developed/based on standard method)	Range of measurement	Std. ref & SOP
1051 Histopathology - .01 Processing fixed specimens for Histopathological testing	Coverslipping**[24]	Stained slides	Automated & Manual Automated coverslipper	Based on standard method	Qualitative test	PPG-CUH-PAT-622 PPG-CUH-PAT-989
	Cut up**[24]	Human Tissue	Manual (Knives, scalpels, dyes etc)	Based on standard method	Qualitative test	PPG-CUH-PAT-321 PPG-CUH-PAT-565 PPG-CUH-PAT-552 PPG-CUH-PAT-600 PPG-CUH-PAT-684 PPG-CUH-PAT-685 PPG-CUH-PAT-642 PPG-CUH-PAT-918 PPG-CUH-PAT-949 PPG-CUH-PAT-690 PPG-CUH-PAT-691 PPG-CUH-PAT-1102 PPG-CUH-PAT-1105 PPG-CUH-PAT-1108 PPG-CUH-PAT-1118
	Embedding**[24]	Paraffin infiltrated	Embedding Centre & Cold Plate Manual	Based on standard method	Qualitative test	PPG-CUH-PAT-569 PPG-CUH-PAT-590
	H & E Staining	Paraffin wax tissue sections	Staining machine Automated	Based on standard method	Qualitative test	PPG-CUH-PAT-622 PPG-CUH-PAT-989 PPG-CUH-PAT-600
	Microtomy**[24]	Paraffin wax blocks	Semi-automated microtome	Based on standard method	Qualitative test	PPG-CUH-PAT-590
	Muscle biopsy	Muscle	Manual Cryostat	Based on standard method	Qualitative test	PPG-CUH-PAT-951

			Microtome Stainer Bond III			
	Nerve biopsy	Nerve	Manual Cryostat Microtome Stainer Fluorescent Microscope Electron Microscope Bond III	Based on standard method	Qualitative test	PPG-CUH-PAT-952
	Tissue processing**[24]	Formalin fixed	Automated Vacuum Infiltration Processor **Three new processors (Pegasus)	Based on standard method	Qualitative test	PPG-CUH-PAT-626
1051 Histopathology - .02 Processing fresh specimens for frozen section examination	Frozen section/smear**[24]	Human Tissue	Cryostat Cryotomy	Based on standard method	Qualitative test	PPG-CUH-PAT-576
1051 Histopathology - .03 Histochemistry	AFB/ZN* *New counterstain; change from Green to Blue	Glass slides – tissue sections & smears	Dako Artisan™ Link Pro Special Staining system	CE Marked	Qualitative test	PPG-CUH-PAT-622
	Alcian Blue/PAS		Dako Artisan™ Link Pro Special Staining system	CE Marked	Qualitative test	PPG-CUH-PAT-622
	Congo Red		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-622
	Elastic Van Gieson (EVG)		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-622
	Gallyas		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-989
	Gram		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-989
	Grocott's Methenamine Silver		Dako Artisan™ Link Pro Special Staining system	CE Marked	Qualitative test	PPG-CUH-PAT-622
	H&E		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-622 PPG-CUH-PAT-989
	Haematoxylin Van		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-989

	Gieson (HVG)					
	LFB-Cresyl Violet		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-989
	Luxol Fast Blue(LFB)-H&E		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-989
	Martius Scarlet Blue (MSB)		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-622
	Masson Fontana		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-622
	Masson Trichrome		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-622
	Masson's Trichrome		Dako Artisan™ Link Pro Special Staining system	CE Marked	Qualitative test	PPG-CUH-PAT-622
	Muscle stains: ATP 4.2 ATP 4.6 ATP 10.2 Myophosphorylase Cytochrome oxidase Succinic dehydrogenase Myoadenylate deaminase NADH PFK	Fresh Muscle Tissue	Manual Oven	Based on standard method	Qualitative test	PPG-CUH-PAT-988
	Non-gynae cytology Immunohistochemistry: ICC on Cell Blocks and cytocentrifuged samples.	Human Tissue	Immunohistochemistry Antibodies[1234] AE1-3 , AFP, ALK NSCLC , Alk1, AMACR/P504S, AMACR/P63/34ßE12 , Arginase , β-Catenin, BAP-1, BCC, BCL-2, BCL-6 , BER-4, BOB-1 , BRAF, CA IX, Caldesmon, Calcitonin, Calretinin, CAM 5.2, Cathespin K, CD1a , CD3, CD4, CD5, CD7, CD8, CD10, CD15 , CD20, CD21	CE	Qualitative test	PPG-CUH-PAT-665

			CD23, CD30, CD31 , CD34, CD43, CD45, CD56, CD57, CD68, CD79a, CD99 CD117/C-KIT, CD138, CDX2, CEA Poly , Chromogranin A, CK 5/6, CK7 , CK19 , CK20, CMV, c-myc, CYCLIN D1 , D2-40 / Podoplanin, DESMIN , Dog-1, EMA, E-Cad, ER, ERG, FOX-L2, GATA 3, Glycophorin A, Glypican-3, Granzyme B HEPAR 1, HCG, HER2, HER2 DDISH , HHV-8, H Pylori , HPV mRNA ISH, HMB45 Inhibin, INSM-1, IgG4 , Ki-67, Ki-67/Melan-A, Lysozyme, Mel A, Mel tri-cocktail, MNF 116, MOC31 Mum 1, MPO , Myogenin, Napsin, NKX3.1, OCT2, OCT4 P16, P40, P40/TTF1, P57, P53 , P63, P63/CK5/6, Parvovirus, PAX5, PAX8, PD1, PD-L1, Perforin, PLAP, PR, PRAME, Prostein / P501S, PSA, RCC , SARS CoV-2, SMA, SMARCA4, Synapto, S100 , TDT, Thyroglobulin, TTF-1 , WT1 Vimentin , SOX 10, SOX 11, Uroplakin,			

			34βE12 Ventana Benchmark Ultra/Ultra Plus			
	Oil Red O	Glass slides – tissue sections & smears	Manual	Standard Method	Qualitative test	PPG-CUH-PAT-989
	PAS/DPAS		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-989
	PASD (Diastase)		Dako Artisan™ Link Pro Special Staining system	CE Marked	Qualitative test	PPG-CUH-PAT-622
	Periodic Acid Methenamine Silver (PAM)		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-622
	Periodic Acid Schiff (PAS)		Dako Artisan™ Link Pro Special Staining system	CE Marked	Qualitative test	PPG-CUH-PAT-622
	Perl's		Dako Artisan™ Link Pro Special Staining system	CE Marked	Qualitative test	PPG-CUH-PAT-622
	Rapid Giemsa		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-622
	Reticulin		Dako Artisan™ Link Pro Special Staining system	CE Marked	Qualitative test	PPG-CUH-PAT-622
	Toluidine Blue		Manual Automated	Standard Method	Qualitative test	PPG-CUH-PAT-989 PPG-CUH-PAT-622 PPG-CUH-PAT-571
	Von Kossa		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-622
	Warthin Starry		Dako Artisan™ Link Pro Special Staining system	CE Marked	Qualitative test	PPG-CUH-PAT-622
1051 Histopathology - .035 Histological Interpretation	Diagnostic Interpretation and reporting of Human tissue specimens Specialist areas excluded: Paediatric Pathology Specialist areas	Stained glass slides – Tissue sections	H&E - Special Stains - ICC	Based on standard method	Qualitative test	PPG-CUH-PAT-602

	included: (Added as demonstration of EQA participation is presented)					
1051 Histopathology - .04 Histological interpretation-medical renal pathology	Histological Interpretation- Medical Renal Pathology	Stained slides Stained ultrathin sections	Manual Diagnostic Interpretation and reporting	Based on standard method	Qualitative test	PPG-CUH-PAT-602
1051 Histopathology - .06 Histological interpretation-perinatal pathology	Perinatal Pathology: Placentas Products of conception Ectopic pregnancies	Stained glass slides – Tissue sections	H&E - Special Stains - ICC	Based on standard method	Qualitative test	PPG-CUH-PAT-602
1051 Histopathology - .07 Histological interpretation-neuropathology	Neuropathology specimens		H&E - Special Stains - ICC	Based on standard method	Qualitative test	PPG-CUH-PAT-602
1051 Histopathology - .08 Histological interpretation-breast screening pathology (Breastcheck programme)	Breast Specimens		H&E - Special Stains - ICC - ISH	Based on standard method	Qualitative test	PPG-CUH-PAT-602
1051 Histopathology - .09 Immunohistochemistry	Immunohistochemistry Antibodies**[24] AE1-3 , AFP, ALK NSCLC , Alk1, AMACR/P504S, AMACR/P63/34ßE12 , anti-2SC, Arginase , β-Catenin,BCL-2, BCL-6 , BER-4, BOB-1 , BRAF Caldesmon, Calcitonin, Calretinin, CAM 5.2 , carbonic anhydrase IX, Cathepsin K, CD1a , CD3, CD4, CD5, CD7, CD8, CD10, CD15 , CD20, CD21 CD23, CD30, CD31 , CD34, CD43, CD45, CD56, CD57, CD68, CD79a, CD99 CD117/C-KIT, CD138, CDX2, CEA	Human Tissue	Immunostaining Ventana Benchmark Ultra/Ultra Plus stainer	CE	Qualitative test	PPG-CUH-PAT-669 PPG-CUH-PAT-580 PPG-CUH-PAT-926

	Poly , Chromogranin A, CK 5/6, CK7 , CK19 , CK20, C-MYC,, CMV, CMYC, CYCLIN D1 , D2-40 / Podoplanin, DESMIN , Dog-1, EMA, E-Cad, ER, ERG, FH, FOX-L2, GATA 3, Glycophorin A, Glypican-3, Granzyme B HEPAR 1, HCG, HER2, HER2 DDISH , HHV-8, H Pylori , HMB45 Inhibin, INSM1, IgG4 , Ki-67, Ki-67/Melan-A, Lysozyme, Mel A, Mel tri-cocktail, MLH1 MSH6, PMS2, MNF 116, MOC31 Mum 1, MPO, MSH2 , Myogenin, Napsin, NKX3.1,, OCT2, OCT4 P16, P40, P40/TTF1, P57, P53 , P63, P63/CK5/6, PAX5, PAX8, Parvovirus, PD1, PD-L1, Perforin, PLAP, PR, PRAME, Prostein / P501S, PSA, RCC, Sara CoV-2, SMA, SMARCA4, SSX specific antibody, SS18-SSX fusion specific antibody, Synapto, S100 , TDT, Thyroglobulin, TTF-1 , Uroplakin II, WT1 Vimentin , SOX 10, SOX 11, 34βE12					
	Immunohistochemistry Neuropathology		Immunostaining Ventana Ultra	CE	Qualitative test	PPG-CUH-PAT-669 PPG-CUH-PAT-580

	Markers**[24]: AE1/3, Alpha-synuclein,, ATRX, B-Amyoid, A4), Brachyury, B-APP, C5b-9, CD3, CD10, CD20, CD34, CD68, CK7, EMA, GFAP , H3K27M, H3K27me3, HMB45, HSV 1, IDH1, INI1, Ki-67, MAP2 , Mel-A, MHC1, MHC2, MBP, Measles, MxA, Myosin (fast), Myosin (slow) Myosin (neonatal), NeuN, NF (52/2F11), Olig 2, PHH3, P62, SV40, Tau-AT8, Tau (RD3), Tau (RD4), TDP-Phosphorylated, Toxoplasma, Dystrophin1 , Dystrophin2, Dystrophin 3, Alpha-sarcoglycan, Beta-sarcoglycan, Gamma-sarcoglycan, Dystroglycan, Dysferlin, Merosin, Spectrin, Caveolin3, Collagen VI, Emerin, Lamin A/C, Alpha-subunit, ACTH, TSH, GH, PRO, LH, FSH, SF1, SSTR, Stat-6, TPIT, Pit-1		Bond III			PPG-CUH-PAT-926
1051 Histopathology - .11 Chromogenic / bright-field in situ hybridisation	Chromogenic in situ hybridisation method**[24] List of probes specific to each laboratory EBER		Immunostaining Ventana Ultra	CE	Qualitative test	PPG-CUH-PAT-669 PPG-CUH-PAT-580 PPG-CUH-PAT-680

	Her-2 DDISH HPV mRNA ISH Kappa Lambda/λ					
1051 Histopathology - .12 Electron microscopy	Electron Microscopy: Preparation and Cut up Fixation and Processing Microtomy and Staining EM Diagnostic Interpretation		Manual Ultramicrotomy Manual Staining Electron Microscopy Rotator, Fumehood Fridge 60°oven Ultramicrotome Fumehood Electron Microscope	Based on standard method	Qualitative test	PPG-CUH-PAT-570 PPG-CUH-PAT-571 PPG-CUH-PAT-568 PPG-CUH-PAT-600
1051 Histopathology - .13 Molecular testing	Assay for Somatic Variants in DNA sequences**[24]		Idylla KRAS, NRAS, EGFR, BRAF. ALK, ROS, RET, MET, IDH1/2	CE	Qualitative test	PPG-CUH-PAT-1101 PPG-CUH-PAT-1103
	MSI (PCR Assay)**2,3,4	FFPE Tissue	"Biocartis Idylla DNA extraction and PCR method for MSI"	CE marked assay	Qualitative test	PPG-CUH-PAT-1101 PPG-CUH-PAT-1103
	NGS Sequencing	FFPE Tissue and Plasma	Genexus Ion Torrent Next Generation Sequencer Genexus Purification Instrument -sample preparation (second instrument)	Standard Method Non standard method	n/a	PPG-CUH-PAT-1121 PPG-CUH-PAT-1122 PPG-CUH-PAT-1124
1051 Histopathology - .14 Detection of immune complexes in body fluids and biopsy material	Direct Immunofluorescence for skin, renal and nerve biopsies: IgG-FITC, IgG4-FITC IgA-FITC, IgM-FITC, C3-FITC, C1q-FITC, Kappa-FITC, Lambda-FITC, Fibrin-FITC	Human Tissue	Direct Immuno-fluorescence, Fluorescent microscope	Standard Method	Qualitative method	PPG-CUH-PAT-687

	Paraneoplastic screen**[24]	Serum	Immunoblot	Standard Method	Qualitative method	PPG-CUH-PAT-901
	Remove-duplicate	Human Tissue	Direct Immuno-fluorescence, Fluorescent microscope	Standard Method	Qualitative method	PPG-CUH-PAT-687
1052 Cytopathology - .02 Non gynaecological cytology	Cytopathology, Non-gynae cytology: Preparation	Joint fluids, Respiratory, FNA, Serous Fluids, Urines, CSF, Other fluids, Cell Blocks	LBC Cytocentrifugation Direct Smear Thin Prep 2000 Statspin Cytocenrifuge	Based on standard method	Qualitative test	PPG-CUH-PAT-37 PPG-CUH-PAT-665 PPG-CUH-PAT-664 PPG-CUH-PAT-689 PPG-CUH-PAT-923
	Non-gynae cytology: Coverslipping		Automated Acetate Sakura Tissue Tek Film Coverslipper	Based on standard method	Qualitative test	PPG-CUH-PAT-622
	Non-gynae cytology: Staining PAP and Giemsa Special Stains ICC **Change to Haematoxylin reagent for PAP stain		Manual & Automated staining Manual Giemsa (Rapid) Leica Autostainer (PAP)	Based on standard method	Qualitative test	PPG-CUH-PAT-622 PPG-CUH-PAT-580
1052 Cytopathology - .04 Cytopathological interpretation	Non-gynae cytology: Cytological interpretation		Microscopic & word processing APEX LIMS	Based on standard method	Qualitative test	PPG-CUH-602

The laboratory is accredited for a flexible scope of testing in the following categories
1 Range of measurement may be extended
2 Parameters may be added
3 Test matrices may be added
4 Equipment/kit

Microbiology and Virology

Category: A

Medical pathology field - Test	Test/assay	Specimen Type	Equipment/Technique	Method (CE/Non-CE/In house developed/based on standard method)	Range of measurement	Std. ref & SOP
1012 Preparation of films on glass slides followed by microscopic examination with or without fixation and staining with dyes as required - .01 Microscopic examination for general bacteriology purposes (including enumeration and description of human cells)	Microscopic examination of General bacteriology [1234]	Urine Sputum Brocheoalveolar Lavage Swabs Abscess and pus specimens Tissues and biopsies Intravascular cannulae and associated specimens Normally sterile body fluids Bone and associated soft tissue Prosthetic joint specimens Aqueous and vitreous humour, corneal scrapings Antral washout, sinus aspirate, sinus washout Aspirates from: Bartholin's gland Fallopian tube Tubo-ovarian abscess Pouch of Douglas fluid Intra-uterine contraceptive device	Light/ Fluorescent microscope	Based on standard method	Qualitative test	PPG-CUH-PAT-776 PPG-CUH-PAT-759 PPG-CUH-PAT-750 PPG-CUH-PAT-751 PPG-CUH-PAT-753 PPG-CUH-PAT-754 PPG-CUH-PAT-707 PPG-CUH-PAT-709 PPG-CUH-PAT-706

		(IUCD) Semen Blood Cultures Bone Marrow CSF CSF Shunts Peritoneal Dialysis Fluid				
	Urine Microscopy automated**[234]	Urine	UF5000/ Flow cytometry for automated urine microscopy	CE Marked Assay	WCC,RCC <20 to >1000 per ul. Semi-quanitative for Bacteria, Yeast, Casts and Epithelial Cells	PPG-CUH-PAT-776
1012 Preparation of films on glass slides followed by microscopic examination with or without fixation and staining with dyes as required - .02 Microscopic examination for parasites	Microscopic examination of Parasites [1234]	Faeces Duodenal aspirates Sellotape slides Aspirates Worm/ larvae, Urine	Light/ Fluorescent microscope	Based on standard method	Qualitative test	PPG-CUH-PAT-725
1012 Preparation of films on glass slides followed by microscopic examination with or without fixation and staining with dyes as required - .03 Microscopic examination for fungi	Microscopic examination of Fungi [1234]	Hair, Nail, Skin	Light/ Fluorescent microscope	Based on standard method	Qualitative test	PPG-CUH-PAT-761
1012 Preparation of films on glass slides followed by microscopic examination with or without fixation and staining with dyes as required - .04 Microscopic examination for mycobacteria	Microscopic examination of Mycobacteria **2,3,4	Sputum, Brocheoalveolar Lavage /Bronchial washings, Blood or bone marrow, CSF, body fluids, aspirates, pus, Skin / tissue biopsy / post-mortem specimens, Sputum, Urine	Light/ Fluorescent microscope	Based on standard method	Qualitative test	PPG-CUH-PAT-766
1013 Culture of organisms in liquid or agar based culture media with visual or instrument monitoring for	Culture of General Bacteria[1234]	Urine Sputum Brocheoalveolar Lavage	Bactec FX blood culture instrument, Culture media	Based on standard method	Qualitative test	PPG-CUH-PAT-776 PPG-CUH-PAT-759 PPG-CUH-PAT-750 PPG-CUH-PAT-751

growth - .01 Culture of general bacteria		Swabs Abscess and pus specimens Tissues and biopsies Intravascular cannulae and associated specimens Normally sterile body fluids Bone and associated soft tissue Prosthetic joint specimens Aqueous and vitreous humour, corneal scrapings Antral washout, sinus aspirate, sinus washout Aspirates from: Bartholin's gland Fallopian tube Tubo-ovarian abscess Pouch of Douglas fluid Intra-uterine contraceptive device (IUCD) Semen Blood Cultures Sterile Fluids Bone Marrow CSF CSF Shunts Peritoneal Dialysis Fluid Faeces				PPG-CUH-PAT-753 PPG-CUH-PAT-754 PPG-CUH-PAT-707 PPG-CUH-PAT-709 PPG-CUH-PAT-706 PPG-CUH-PAT-721
	Microscopic examination of General bacteriology[1234]		Bactec FX blood culture instrument, Culture media	Based on standard method	Qualitative test	PPG-CUH-PAT-776 PPG-CUH-PAT-759 PPG-CUH-PAT-750 PPG-CUH-PAT-751 PPG-CUH-PAT-753 PPG-CUH-PAT-754

						PPG-CUH-PAT-707 PPG-CUH-PAT-709 PPG-CUH-PAT-706 PPG-CUH-PAT-721
1013 Culture of organisms in liquid or agar based culture media with visual or instrument monitoring for growth - .02 Culture of fungi	Culture of Fungi [1234]	Urine Sputum Brocheoalveolar Lavage Swabs Abscess and pus specimens Tissues and biopsies Intravascular cannulae and associated specimens Normally sterile body fluids Bone and associated soft tissue Prosthetic joint specimens Aqueous and vitreous humour, corneal scrapings Antral washout, sinus aspirate, sinus washout Aspirates from: Bartholin's gland Fallopian tube Tubo-ovarian abscess Pouch of Douglas fluid Intra-uterine contraceptive device (IUCD) Semen Blood Cultures Sterile Fluids Bone Marrow CSF	Bactec FX blood culture instrument, Culture media	Based on standard method	Qualitative test	PPG-CUH-PAT-776 PPG-CUH-PAT-759 PPG-CUH-PAT-750 PPG-CUH-PAT-751 PPG-CUH-PAT-753 PPG-CUH-PAT-754 PPG-CUH-PAT-707 PPG-CUH-PAT-709 PPG-CUH-PAT-706 PPG-CUH-PAT-761

		CSF Shunts Peritoneal Dialysis Fluid Hair, Nail, Skin				
1013 Culture of organisms in liquid or agar based culture media with visual or instrument monitoring for growth - .03 Culture of mycobacteria	Culture of Mycobacteria **2,3,4	BAL/Bronchial washings, Blood or bone marrow, CSF, body fluids, aspirates, pus, Gastric lavage fluid, Laryngeal swabs / Other swabs, Skin / tissue biopsy / post-mortem specimens, Sputum, Urine	MB/ BacT Alert Bactec FX MB/ BacT Alert liquid media (update to formula) Solid media (RGM)	Based on standard method Non-CE marked test	Qualitative test	PPG-CUH-PAT-764 PPG-CUH-PAT-766 PPG-CUH-PAT-707
1014 Detection of bacterial, parasite, viral or fungal antigens using specific antibodies and appropriate techniques - .04 Immunochromatographic methods,	C. DIFF QUIK CHEK COMPLETE**[234]	Faeces	Immunochromographic Kit	CE Marked assay	Qualitative test	PPG-CUH-PAT-3053
	Coris RESIST-5 0.K.NV.I**2,3,4	Isolate	Immunochromotography	CE Marked assay	Qualitative test	PPG-CUH-PAT-860
	Detection of Mycobacterium tuberculosis complex (MTbc) antigen **[234]	AFB smear-positive liquid culture medium	BD MGIT Immunochromatographic method	CE marked assay	Qualitative test	PPG-CUH-PAT-1969
	Detection of Rotavirus and Adenovirus Antigens in Faecal Samples[1234]	Faeces	Immunochromographic Kit	CE marked assay	Qualitative test	PPG-CUH-PAT-726
	Legionella Urinary Antigen [1234]	Urine	Immunochromographic Kit	CE marked assay	Qualitative test	PPG-CUH-PAT-832
	Urinary Pneumococcal Antigen [1234]		Immunochromographic Kit	CE marked assay	Qualitative test	PPG-CUH-PAT-832
1015 Detection and/or identification of bacterial, parasite, fungal and viral nucleic acids - .01 Nucleic	ePlex® Respiratory Pathogen Panel 2 (RP2) **[234]	Nose and/or Throat swabs in VTM, UTM or equivalent	Cobas ePlex® system	CE marked assay	Qualitative test	PPG-CUH-PAT-3059

acid probe hybridization, CE marked commercial systems						
1015 Detection and/or identification of bacterial, parasite, fungal and viral nucleic acids - .03 Nucleic acid amplification tests, CE marked commercial systems	Biofire® FilmArray® Meningitis/Encephalitis panel **2,3,4	CSF	FilmArray v2.0	Ce Marked assay	Qualitative test	PPG-CUH-PAT-3047
	Biofire® FilmArray® Respiratory panel**[234]	Nose and/or Throat swabs in VTM, UTM or equivalent	Biofire Film Array Torch	CE Marked assay	Qualitative test	PPG-CUH-PAT-3047
	Cepheid GeneXpert® system MTB/RIF Ultra**2,3,4	sputum samples or concentrated sediments from induced or expectorated sputum	Cepheid GeneXpert® DX system Real time PCR platform	CE marked assay	Qualitative test	PPG-CUH-PAT-718
	GeneXpert® Real time PCR for Influenza A, Influenza B,RSV and SARS CoV-2**2,3,4	Swab or NPA	Cepheid GeneXpert® DX system Real time PCR platform	CE marked assay	Qualitative test	PPG-CUH-PAT-718
	GeneXpert® Real time PCR for Xpert® Carba-R**2,3,4	Rectal swab or Isolate	Cepheid GeneXpert® DX system Real time PCR platform	CE marked assay	Qualitative test	PPG-CUH-PAT-718
	Real Time PCR for Chlamydia trachomatis**2,3,4	Urine Endocervical Swab High Vaginal Swab	Real Time PCR Roche Cobas 5800/6800	CE marked assay	Qualitative test	PPG-CUH-PAT-3052 PPG-CUH-PAT-4001
	Real Time PCR for Investigation of Faeces Specimens for Astrovirus **[234]	Faeces	Real Time PCR EntericBio Detection System epmotion 5070 instrument LightCycler® 480 Real-time PCR system	CE Marked assay	Qualitative test	PPG-CUH-PAT-719

	Real Time PCR for Investigation of Faeces Specimens for Clostridium difficile**2,3,4		EntericBio Detection System epmotion 5070 instrument LightCycler® 480 Real-time PCR system	CE marked assay	Qualitative test	PPG-CUH-PAT-719
	Real Time PCR for Investigation of Faeces Specimens for Clostridium difficile**[234]		Real Time PCR GeneXpert	CE Marked assay	Qualitative test	PPG-CUH-PAT-718
	Real Time PCR for Investigation of Faeces Specimens for Norovirus**2,3,4		EntericBio Detection System epmotion 5070 instrument LightCycler® 480 Real-time PCR system	CE marked assay	Qualitative test	PPG-CUH-PAT-719
	Real Time PCR for Investigation of Faeces Specimens for Norovirus**[234]		Real Time PCR GeneXpert	CE Marked assay	Qualitative test	PPG-CUH-PAT-718
	Real Time PCR for Investigation of Faeces Specimens for Salmonella, Shigella, Campylobacter sp, VTEC, and Cryptosporidium parvum/hominis Giardia*2,3,4		EntericBio Detection System Epmotion 5070 instrument LightCycler® 480 Real-time PCR system	CE marked assay	Qualitative test	PPG-CUH-PAT-719
	Real Time PCR for	Urine	Real Time PCR	CE marked assay	Qualitative test	PPG-CUH-PAT-3052

	Neisseria gonorrhoeae**2,3,4	Endocervical Swab High Vaginal Swab	Roche Cobas 5800/6800 Cepheid GeneXpert®Dx System			PPG-CUH-PAT-4001 PPG-CUH-PAT-718
	Real Time PCR for Respiratory Viral Pathogens**[234]	Nasopharyngeal swab, Throat swab	Real Time PCR Cobas 5800/6800	CE marked assay	Qualitative test	PPG-CUH-PAT-3052 PPG-CUH-PAT-4001
	Real Time PCR for SARS-CoV-2 **[234]	Nasopharangeal swab,Throat swab	Real time PCR Cobas 5800/6800,	CE Marked assay	Qualitative test	PPG-CUH-PAT-4001 PPG-CUH-PAT-1966 PPG-CUH-PAT-3052
	Real Time PCR for SARS-CoV-2 and Influenza A/B **[234]		Real time PCR Cobas 5800/6800,	CE Marked assay	Qualitative test	PPG-CUH-PAT-4001 PPG-CUH-PAT-1966 PPG-CUH-PAT-3052
1016 Identification of cultured bacteria and fungi using non-nucleic acid based techniques - .01 Biochemical methods , CE marked commercial systems	Identification of Cultured Bacteria and Fungi [1234]	Liquid culture medium Isolates from culture medium	Biochemical Characterisation kits	Based on standard method	Qualitative test	PPG-CUH-PAT-859 PPG-CUH-PAT-843
	MAST Uriplus [1234]	Urine	MAST Uriplus imagind analyser MAST Uriwell multipoint innoculator MAST Uriplus direct culture identification using biochemical substrates/ chromogenic agar	CE marked assay	No growth, no significant growth or Significant growth with organism identification and susceptibility	PPG-CUH-PAT-3032
1016 Identification of cultured bacteria and fungi using non-nucleic acid based techniques - .03 Identification of fungi by microscopic morphology	Identification of Cultured Fungi [1234]	Liquid culture medium Isolates from culture medium	Biochemical Characterisation kits	Based on standard method	Qualitative test	PPG-CUH-PAT-761 PPG-CUH-PAT-859 PPG-CUH-PAT-843 PPG-CUH-PAT-865
1016 Identification of cultured bacteria and fungi	Identification of Cultured Bacteria [234]		Mass Spectrometry Bruker Maldi-tof	Based on standard method	Qualitative test	PPG-CUH-PAT-859 PPG-CUH-PAT-843

using non-nucleic acid based techniques - .04 Identification using MALDI-TOF Spectroscopy	(including Mycobacteria)		Optimised for Mycobacteria			PPG-CUH-PAT-865
1017 Measurement of antimicrobial activity and application of clinical interpretive criteria to general bacteria (rapidly growing aerobes) - .01 Anaerobes	Aerobes, Anaerobes [1234]		Qualitative susceptibility testing bioMerieux VITEK 2XL Biomic Manual	Based on standard method	Qualitative test	PPG-CUH-PAT-860 PPG-CUH-PAT-869 PPG-CUH-PAT-864
1017 Measurement of antimicrobial activity and application of clinical interpretive criteria to general bacteria (rapidly growing aerobes) - .02 Mycobacteria	Mycobacteria**2,3,4	sputum samples or concentrated sediments from induced or expectorated sputum	GeneXpert Rifampicin susceptibility testing	CE marked assay	Qualitative test	PPG-CUH-PAT-718
1017 Measurement of antimicrobial activity and application of clinical interpretive criteria to general bacteria (rapidly growing aerobes) - .03 Yeasts	Sensititre yeast susceptibility testing **[234]	Isolate	Broth Microdilution	CE marked assay	Qualitative test	PPG-CUH-PAT-860
	Yeasts [1234]	Liquid culture medium Isolates from culture medium	Qualitative susceptibility testing bioMerieux VITEK 2XL Manual	Based on standard method	Qualitative test	PPG-CUH-PAT-860 PPG-CUH-PAT-869
1017 Measurement of antimicrobial activity and application of clinical interpretive criteria to general bacteria (rapidly growing aerobes) - .05	MAST Uriplus [1234]	Urine	MAST Uriplus imagind analyser MAST Uriwell multipoint innoculator MAST Uriplus breakpoint susceptibility	CE marked assay	No growth, no significant growth or Significant growth with organism identification and susceptibility	PPG-CUH-PAT-3032

Other categories of organism (as specified)			testing.			
1018 Detection of antibody response to infection using appropriate CE marked commercial techniques - .01 Particle agglutination, using CE marked commercial systems	Anti-Streptolysin (ASO) Latex Agglutination Slide Test [1234]	Serum	Particle Agglutination Kit	CE marked assay	Qualitative test	PPG-CUH-PAT-832
	Syphilis Rapid Plasma Reagin (RPR) and Treponema pallidum Haemagglutination (TPHA) Tests [1234]		Manual Particle Agglutination (TPHA, RPR)	CE marked assay	Qualitative test	PPG-CUH-PAT-832
1018 Detection of antibody response to infection using appropriate CE marked commercial techniques - .07 Chemiluminescent microparticle immunoassay, using CE marked commercial systems	VCA IgG (EBV)**[1234]		Liaison XL Chemiluminescent Immunoassay	CE marked Assay	Qualitative	PPG-CUH-PAT-1959
	Anti HEV IgG**[1234]		Liaison XL Chemiluminescent Immunoassay	CE marked Assay	Qualitative	PPG-CUH-PAT-1959
	Anti HEV IgM**[1234]		Liaison XL Chemiluminescent Immunoassay	CE marked Assay	Qualitative	PPG-CUH-PAT-1959
	Antibodies to Hepatitis B e Antigen (Anti-HBeAg) Assay [1234]		Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	Antibodies to Hepatitis B Surface Antigen (Anti-HBs) Assay [1234]		Architect Chemi-luminescent Immunoassay	CE marked assay	0 to 1,000 mIU/mL	PPG-CUH-PAT-1960
	Borrelia Burdorferi IgM (Lyme)**[1234]		Liaison XL Chemiluminescent Immunoassay	CE Marked assay	Qualitative test	PPG-CUH-PAT-1959

	Borrelia Burgdorferi IgG (Lyme) [1234]	Liaison XL Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1959
	Cytomegalovirus IgG Assay [1234]	Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	Cytomegalovirus IgM Assay [1234]	Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	EBNA IgG (EBV)**[1234]	Liaison XL Chemiluminescent Immunoassay	CE marked Assay	Qualitative	PPG-CUH-PAT-1959
	Epstein-Barr Virus VCA IgM Assay [1234]	Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	Hepatitis A Virus IgG Assay [1234]	Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	Hepatitis A Virus IgM Assay [1234]	Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	Hepatitis B Core Total Antibody [1234] Assay	Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	Hepatitis B e Antigen (HBeAg) [1234] Assay	Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	Hepatitis B Surface Antigen (HBsAg) Assay [1234]	Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	Hepatitis C Virus Antibody (Anti-HCV) Assay [1234]	Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	Hepatitis C Virus Antigen (HCV Ag) Assay [1234]	Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	HIV Ag/Ab Combo Assay [1234]	Architect Chemi-luminescent	CE marked assay	Qualitative test	PPG-CUH-PAT-1960

		Immunoassay			
	Measles IgG**[1234]	Liaison Chemiluminsecent Immunoassay	CE Marked assay	Qualitative test	PPG-CUH-PAT-1959
	Mumps IgG**[1234]	Liaison Chemiluminsecent Immunoassay	CE Marked assay	Qualitative test	PPG-CUH-PAT-1959
	Parvovirus IgG**[1234]	Liaison Chemiluminsecent Immunoassay	CE Marked Assay	Qualitative assay	PPG-CUH-PAT-1959
	Parvovirus IgM**[1234]	Liaison Chemiluminsecent Immunoassay	CE Marked assay	Qualitative test	PPG-CUH-PAT-1959
	Rubella IgG Assay [1234]	Architect Chemi-luminescent Immunoassay	CE marked assay	0 to 500 IU/mL	PPG-CUH-PAT-1960
	Rubella IgM Assay [1234]	Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	Syphilis Total Antibody Assay [1234]	Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	Toxoplasma IgG Assay [1234]	Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	Toxoplasma IgM Assay [1234]	Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	Varicella-zoster Virus IgG [1234]	Liaison XL Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1959
1029 Miscellaneous - .99 Miscellaneous tests	Amikacin Assay [1234]	Cobas c311 KIMS	CE marked assay	0.8 to 40.0 mg/L	PPG-CUH-PAT-821

	Gentamicin Assay [1234]		Cobas c311 KIMS	CE marked assay	0.4 to 10.0 mg/L	PPG-CUH-PAT-821
	Tobramycin Assay [1234]		Cobas c311 KIMS	CE marked assay	0.33 to 10.0 mg/L	PPG-CUH-PAT-821
	Vancomycin Assay [1234]		Cobas c311 KIMS	CE marked assay	4.0 to 80.0 mg/L	PPG-CUH-PAT-821

The laboratory is accredited for a flexible scope of testing in the following categories
1 Range of measurement may be extended
2 Parameters may be added
3 Test matrices may be added
4 Equipment/kit

The hospital pathology laboratory is accredited for the provision of Point of Care testing in accordance with ISO 15189:2022 for the tests identified in category B. For further details please refer to the laboratory's list of equipment and delivery points.

Head Office

Microbiology and Virology

Category: B

Medical pathology field - Test	Test/assay	Specimen Type	Equipment/Technique	Method (CE/Non-CE/In house developed/based on standard method)	Range of measurement	Std. ref & SOP
1015 Detection and/or identification of bacterial, parasite, fungal and viral nucleic acids - .03 Nucleic acid amplification tests, CE marked commercial systems	SARS-CoV-2, RSV, Influenza A and Influenza B**[234]	Nasopharyngeal swab	Roche Cobas LIAT/ RT-PCR	CE Marked Assay	Qualitative test	PPG-CUH-PAT-5009

The laboratory is accredited for a flexible scope of testing in the following categories
1 Range of measurement may be extended
2 Parameters may be added
3 Test matrices may be added
4 Equipment/kit

The hospital pathology laboratory is accredited for the provision of Point of Care testing in accordance with ISO 15189:2022 for the tests identified in category B. For further details please refer to the laboratory's list of equipment and delivery points.