

# Schedule of Accreditation



Organisation Name	HSE Cork University Hospital
Trading As	Laboratory Medicine, Cork University Hospital
INAB Reg No	333MT
Contact Name	Paul Cantwell
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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 <sup>1</sup>	Yes

<sup>1</sup> 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) <sup>1234</sup>	Plasma/Serum	IFCC with PNPP	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Albumin <sup>1234</sup>	Plasma/Serum /Urine	Bromocresol Green Turbidimetry (Urines)	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Alkaline Phosphatase <sup>1234</sup>	Plasma/Serum	IFCC	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Ammonia <sup>1234</sup>	Plasma	Enzymatic	Beckman Coulter AU General	CE Marked Assay	PPG-CUH-PAT-1420

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

Creatinine Kinase (CK) <sup>1234</sup>		IFCC	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Creatinine <sup>1234</sup>		Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Direct Bilirubin <sup>1234</sup>		Diazo	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Gamma-glutamyl transpeptidase (GGT) <sup>1234</sup>		IFCC	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Glucose (Fasting/Random) <sup>1234</sup>	Plasma	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
HDL Cholesterol <sup>1234</sup>	Plasma/Serum	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Lactate Dehydrogenase (LDH) <sup>1234</sup>		IFCC	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Lactate <sup>1234</sup>	Plasma	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Magnesium <sup>1234</sup>	Plasma/Serum /Urine	Colorimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420

Osmolality <sup>1234</sup>	Serum/Urine	Freezing Point measurement	Advanced Instruments Osmometer OsmoPro	CE Marked Assay	PPG-CUH-PAT-195
Phosphate <sup>1234</sup>	Plasma/Serum /Urine	Ammonium Molybdate	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Potassium <sup>1234</sup>		Indirect ISE	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Sodium <sup>1234</sup>		Indirect ISE	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Total Bilirubin <sup>1234</sup>	Plasma/Serum	Diazo Method	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Total Protein <sup>1234</sup>		Colorimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Triglyceride <sup>1234</sup>		GPO-PAP	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Urate <sup>1234</sup>	Plasma/Serum /Urine	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Urea <sup>1234</sup>		Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420

	Urinary Protein <sup>1234</sup>	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 <sup>1234</sup>	Serum	Immunturbidimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Anti-Thyroid Peroxidase Ab's <sup>1234</sup>		CMIA	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Ceruloplasmin <sup>1234</sup>		Immunturbidimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	C-Reactive Protein <sup>1234</sup>	Plasma/Serum	Immunturbidimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Free Kappa Light Chains <sup>124</sup>	Serum	Immunturbidimetric	Optilite IE700	CE Marked Assay	PPG-CUH-PAT-99
	Free Lambda Light Chains <sup>124</sup>		Immunturbidimetric	Optilite IE700	CE Marked Assay	PPG-CUH-PAT-99
	Haptoglobin <sup>1234</sup>		Immunturbidimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Insulin-like Growth Factor 1 (IGF1) <sup>1234</sup>		Immunoassay	IDS-i10	CE Marked Assay	PPG-CUH-PAT-4040
	NTproBNP <sup>1234</sup>		CMIA	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
Procalcitonin**1,2,3,4	Immunoassay		Beckman Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036	
Troponin I (hs) <sup>1234</sup>	CMIA		Beckman Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036	
1061 Clinical Chemistry -	Bence-Jones		Urine	Electrophoresis	Sebia Hydrasys II	CE Marked Assay

.03 Proteins, qualitative and semiquantitative analysis	Protein <sup>1234</sup>					
	Paraprotein Type (Serum) <sup>1234</sup>	Serum	Immuno-fixation	Sebia Hydrasys	CE Marked Assay	PPG-CUH-PAT-219
	Protein Electrophoresis <sup>1234</sup>		Electrophoresis	Sebia Capillarys III	CE Marked Assay	PPG-CUH-PAT-223
1061 Clinical Chemistry - .10 Drugs for therapeutic monitoring	Carbamazepine <sup>1234</sup>	Serum	Enzymatic *(change in enzymatic methodology from CEDIA to Emit)	AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Digoxin <sup>1234</sup>		Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Lithium <sup>1234</sup>		Colorimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Methotrexate <sup>**1234</sup>		EMIT	Beckman Coulter AU5832	CE Marked	PPG-CUH-PAT-1420
	Paracetamol <sup>1234</sup>		Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Phenobarbitone <sup>1234</sup>		Enzymatic *(change in enzymatic methodology from CEDIA to Emit)	AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Phenytoin <sup>1234</sup>		Enzymatic *(change in enzymatic methodology from CEDIA to Emit)	AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Tacrolimus <sup>**1234</sup>	Whole Blood	QMS(Turbidimetric)	Beckman Coulter AU5832	CE Marked	PPG-CUH-PAT-1420

	Theophylline <sup>1234</sup>	Serum	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Valproate <sup>1234</sup>		Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
1061 Clinical Chemistry - .14 Alcohol for non-legal purposes	Alcohol <sup>1234</sup>	Serum/Urine	Enzymatic *(change in enzymatic methodology from CEDIA to Emit)	AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
1061 Clinical Chemistry - .15 Drugs for toxicological purposes	Salicylate (Serum) <sup>1234</sup>	Serum	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
1061 Clinical Chemistry - .20 Hormones	AMH <sup>1234</sup>	Serum/plasma	CMIA	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Cortisol <sup>1234</sup>	Serum	CMIA	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
	C-peptide <sup>**1234</sup>	Serum/plasma	Chemiluminescent	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Follicle-stimulating hormone (FSH) <sup>1234</sup>	Serum	CMIA	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Free T3 <sup>1234</sup>		CMIA	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Free T4 <sup>1234</sup>		CMIA ***reformulated kit	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Growth Hormone <sup>1234</sup>		CMIA	IDS-i10	CE Marked Assay	PPG-CUH-PAT-4040
	Insulin <sup>**1234</sup>	Serum/plasma	Chemiluminescent	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
Luteinizing hormone (LH) <sup>1234</sup>	Serum	CMIA	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036	

	Oestradiol <sup>1234</sup>		CMIA	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Parathyroid hormone (PTH) <sup>1234</sup>	EDTA-Plasma	CMIA	Beckman Coulter Dxl 800	CE Marked Assay	PPG-CUH-PAT-4037
	Progesterone <sup>1234</sup>	Serum	CMIA	Beckman Coulter Dxl 9000/ 800	CE Marked Assay	PPG-CUH-PAT-4037
	Prolactin <sup>1234</sup>		CMIA	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Sex Hormone-Binding Globulin <sup>1234</sup>		CMIA	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Testosterone <sup>1234</sup>		CMIA	Beckman DXI 800 /Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
	Thyroid-stimulating hormone (TSH) <sup>1234</sup>		CMIA	Beckman Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
1061 Clinical Chemistry - .30 Sweat electrolytes	Sweat Chloride	Sweat	Coulometric Titration	Wescor Chlorocheck	Based on Standard Method	PPG-CUH-PAT-228
1061 Clinical Chemistry - .32 Maternal markers for foetal wellbeing	Human chorionic gondadotropin <sup>1234</sup>	Serum	CMIA	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
1061 Clinical Chemistry - .40 Iron studies	Ferritin <sup>1234</sup>		CMIA	Beckman Coulter DXI9000	CE Marked Assay	PPG-CUH-PAT-4036
	Iron <sup>1234</sup>		Ferrazine	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
	Transferrin <sup>1234</sup>		Immunoturbid-imetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
1061 Clinical Chemistry - .45 Vitamin B12 and folate	Folate <sup>1234</sup>		CMIA	Beckman Coulter DXI9000	CE Marked Assay	PPG-CUH-PAT-4036
	Vitamin B12 <sup>1234</sup>		CMIA	Beckman Coulter DXI9000	CE Marked Assay	PPG-CUH-PAT-4036

1061 Clinical Chemistry - .47 Vitamin assays	Vitamin D <sup>1234</sup>
1061 Clinical Chemistry - .50 Protein and peptide tumour markers	Alphafetaprotein <sup>1234</sup>
	Ca125 <sup>1234</sup>
	Ca15-3 <sup>1234</sup>
	Ca19-9 <sup>1234</sup>
	Carcinoembryonic Antigen (CEA) <sup>1234</sup>
PSA (Total) <sup>1234</sup>	
1061 Clinical Chemistry - .80 Quantitative investigation of immunoglobulins G, A, M and in body fluids	IgA <sup>1234</sup>
	IgG <sup>1234</sup>
	IgM <sup>1234</sup>
1061 Clinical Chemistry - .86 C3 and C4	Complement C3 <sup>1234</sup>
	Complement C4 <sup>1234</sup>

CMIA	Beckman Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
CMIA	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
CMIA	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
CMIA	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
CMIA	Beckman Coulter Dxl 9000 / 800	CE Marked Assay	PPG-CUH-PAT-4037
CMIA	Beckman Coulter Dxl 9000 / 800	CE Marked Assay	PPG-CUH-PAT-4037
CMIA	Beckman Coulter Dxl 9000	CE Marked Assay	PPG-CUH-PAT-4036
Immunoturbidimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Immunoturbidimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Immunoturbidimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Immunoturbidimetric	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
Immunoturbidimetric	Beckman Coulter AU General	CE Marked Assay	PPG-CUH-PAT-1420

			Chemistry Analyser			
1061 Clinical Chemistry - .99 Miscellaneous tests	%Iron Saturation <sup>1234</sup>		Calculated Parameter	n/a	Based on Standard Method	INS-CUH-PAT-126
	24 Hour Urinary Amylase <sup>1234</sup>	Urine	Calculated Parameter	n/a	Based on Standard Method	INS-CUH-PAT-126
	24 Hour Urinary Magnesium <sup>1234</sup>		Calculated Parameter	n/a	Based on Standard Method	INS-CUH-PAT-126
	24 Hour Urinary Phosphate <sup>1234</sup>		Calculated Parameter	n/a	Based on Standard Method	INS-CUH-PAT-126
	24 Urinary Urea <sup>1234</sup>		Calculated Parameter	n/a	Based on Standard Method	INS-CUH-PAT-126
	24hr Urinary Calcium <sup>1234</sup>		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	24hr Urinary Chloride <sup>1234</sup>		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	24HR Urinary Creatinine <sup>1234</sup>		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	24hr Urinary Microalbumin <sup>1234</sup>		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	24hr Urinary Potassium <sup>1234</sup>		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	24hr Urinary Protein <sup>1234</sup>		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	24hr Urinary Sodium <sup>1234</sup>		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	24hr Urinary Urate <sup>1234</sup>		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	Adjusted Calcium <sup>1234</sup>	Serum	Calculated Parameter	n/a	Based on Standard Method	INS-CUH-PAT-126
Amy:Creat Clearance Ratio <sup>1234</sup>	Urine	Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126	

Androgen Index	Serum	Calculated Parameter (Based on Dxl immunoassays)	n/a	Based on standard method	INS-CUH-PAT-126
Ca:Creat Clearance Ration <sup>1234</sup>	Urine/Serum	Calculated Parameter	n/a	Annals of Clinical Biochemistry 2004; 41:441-458	INS-CUH-PAT-126
Calcium Excretion <sup>1234</sup>		Calculated Parameter	n/a	Annals of Clinical Biochemistry 2004; 41:441-458	INS-CUH-PAT-126
Creatinine Clearance <sup>1234</sup>		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
CSF Glucose <sup>124</sup>	CSF	Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
CSF Lactate <sup>124</sup>		Enzymatic	Beckman Coulter AU General Chemistry Analyser	CE Marked Assay	PPG-CUH-PAT-1420
CSF Total Protein <sup>124</sup>		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 <sup>**1234</sup>	Serum/plamsa	CMA	Beckman Coulter Dxl 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 <sup>1234</sup>		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
LDL Calculation <sup>1234</sup>		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
Microalbumin	Urine	Calculated	n/a	Based on standard	INS-CUH-PAT-126

	Creatinine Ratio <sup>1234</sup>		Parameter		method	
	Ur.Protein /Creat. ratio <sup>1234</sup>		Calculated Parameter	n/a	Based on standard method	INS-CUH-PAT-126
	UTP:Creat Ratio <sup>1234</sup>		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.*

## Head Office

### 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:	Siemens RP500 /CO-Oximetry	CE Marked Assay	5 - 20.63 g/dl	PPG-CUH-PAT-5006

	Arterial, Venous, Capillary				
HHb**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
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 <sup>2</sup> Hb**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 <sup>2</sup> **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	Siemens RP500, Siemens RL1240	CE Marked Assay	2.277 - 19.157 kPa	PPG-CUH-PAT-5006

		Blood Gas syringe: Arterial, Venous, Capillary	/Potentiometry			
	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 into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Optical O2	Radiometer ABL90 Flex PI6.977 - 60.743 kPa us/	CE Marked	PPG-CUH-PAT-5031
		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	Siemens RP500 /Amperometry	CE Marked Assay	1.47 - 35.8 mmol/L	PPG-CUH-PAT-5006

	Blood Gas syringe: Arterial, Venous, Capillary				
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 into Heparinised Blood Gas syringe: Arterial, Venous, Capillary	Siemens RP500 /Amperometry	CE Marked Assay	0.553 - 17.14 mmol/L	PPG-CUH-PAT-5006
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	Siemens RP500/Direct ISE	CE Marked Assay	1.496 - 11.163 mmol/L	PPG-CUH-PAT-5006

		Blood Gas syringe: Arterial, Venous, Capillary				
	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 <sup>**1234</sup>	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 <sup>**1234</sup>	Whole Blood	Electrochemical	Nova StatStrip / 0.6-33 mmol/L	CE Marked	PPG-CUH-PAT-5032
	Ketone <sup>**1234</sup>		Electrochemical	Nova StatStrip / 0.1 -7.0 mmol/L	CE Marked	PPG-CUH-PAT-5032
1061 Clinical Chemistry - .99 Miscellaneous tests	Estimated GFR <sup>**1234</sup>		Calculated parameter	Abbott iStat Alinity/0-60 mL/min/1.73m <sup>2</sup>	CE Marked	PPG-CUH-PAT-5028
			Calculated parameter	Abbott iStat Alinity/0-60 mL/min/1.73m <sup>2</sup>	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.*

## Head Office

### 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 <sup>1234</sup> Red Cell Count <sup>1234</sup> Haemoglobin <sup>1234</sup> Haematocrit <sup>1234</sup> Mean Cell Volume <sup>1234</sup> MCH <sup>1234</sup> MCHC <sup>1234</sup> Platelet Count <sup>1234</sup>	Whole Blood in EDTA	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
1030 Haematology - .02 Visual examination of blood films	Differential white cell, red cell morphology and platelet checks <sup>1234</sup>	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 Erythrocyte sedimentation rate	Automated ESR <sup>1234</sup>	Whole Blood in EDTA	Westgren based Sedimentation rate	Starrsed Compact ESR (Interrliner and RS) (new Interrliner; same model as previous)	CE Marked Assay	PPG-CUH-PAT-404
1030 Haematology - .05 Automated differential leucocyte counts	Neutrophils, Lymphocytes, Monocytes, Eosinophils and Basophils <sup>1234</sup>		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 <sup>1234</sup>		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 <sup>234</sup>	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 <sup>1234</sup>	Whole Blood in EDTA	May Grunwald and Giemsa manual SP-50 staining and Kits	Manual and Screen Carestart Ag Screen **Change in Malaria antigen kit	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 <sup>1234</sup>	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 <sup>34</sup> Haemoglobin Electrophoresis on the HYDRASYS System <sup>1234</sup> Hb Variants and $\beta$ Thalassaemia Screen <sup>1234</sup>	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 <sup>r**24</sup>	Whole blood EDTA	Acid Elution	Manual	CE Marked Assay	PPG-CUH-PAT-479
1030 Haematology - .36 Screening tests for G6Pd	G6PD screen <sup>34</sup>	Whole Blood in EDTA	Fluorescence spot test Ultraviolet, kinetic determination of	UV Lamp	CE Marked Assay	PPG-CUH-PAT-455

			G6PDH			
1030 Haematology - .40 Limited haemostasis related tests	ACTIN FSL <sup>1234</sup>	Plasma – Citrate	Clotting	CS-2500, CS-5100 **Upgrade to CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972
	Activated Protein C Resistance <sup>1234</sup>		Clotting	CS-2500, CS-5100 **Upgrade to CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972
	Anti Xa Heparin assay <sup>1234</sup>		Chromogenic	CS-2500, CS-5100 **Upgrade to CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972
	Anti-Thrombin III Assay <sup>1234</sup>		Chromogenic	CS-2500, CS-5100 **Upgrade to CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972
	Cardiolipin Antibody <sup>1234</sup>	Serum sample	Immunoassay	DS2	CE Marked Assay	PPG-CUH-PAT-438 PPG-CUH-PAT-440
	Chromogenic Factor VIII <sup>**1234</sup>	Plasma - Citrate	Chromogenic	Sysmex CS analysers (CS5100 and CS2500) **Upgrade to CN-3500	CE Marked Assay	PPG-CUH-PAT-398
	Direct Oral Anti-Coagulant (DOAC's)- Rivaroxiban and Apixiban <sup>**1234</sup>	Sodium Citrate	Chromogenic	Sysmex CS analysers (CS5100 and CS2500) **Upgrade to CN-3500	CE Marked Assay	PPG-CUH-PAT-592
	DVVT: Lupus Anticoagulant Screening Test* <sup>124</sup> DVVC: Lupus Confirmatory Test * <sup>124</sup>	Plasma – Citrate	Clotting	CS-2500, CS-5100 **Upgrade to CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972
	Factor assays - Intrinsic Factor VIII, IX, XI, XII <sup>1234</sup>		Clotting	CS-2500, CS-5100 **Upgrade to CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972

	Factor assays –Extrinsic Factor II, V, VII, X <sup>1234</sup>		Clotting	CS-2500, CS-5100 **Upgrade to CN-3500	CE Marked Assay	PPG-CUH-PAT-421 PPG-CUH-PAT-1972
	Free Protein S <sup>1234</sup>		Immunoassay	CS-2500, CS-5100 **Upgrade to CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972
	Protein C Assay <sup>1234</sup>		Chromogenic	CS-2500, CS-5100 **Upgrade to CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972
	Thrombophilia Screen <sup>1234</sup>		Chromogenic and clotting	CS-2500, CS-5100 **Upgrade to CN-3500	CE Marked Assay	PPG-CUH-PAT-425 PPG-CUH-PAT-1972
	vW screen: Antigen <sup>1234</sup> Ristocetin cofactor <sup>1234</sup>		Immunoassay Aggregometry	CS-2500, CS-5100 **Upgrade to CN-3500	CE Marked Assay	PPG-CUH-PAT-434 PPG-CUH-PAT-435 PPG-CUH-PAT-1972
	Beta 2 Glycoprotein 1 Antibody <sup>1234</sup>	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 <sup>1234</sup> International Normalised Ratio INR <sup>1234</sup> Thromborel**1,2,3,4 Activated Partial Thromboplastin Time APTT and Ratio <sup>1234</sup> Fibrinogen <sup>1234</sup> D-Dimer <sup>1234</sup>	Plasma – Citrate	Clotting  Clotting  Immuno assay Immuno-turbidmetric	CS-5100, CS-2500, CN-6000, CN-3500, Centrifuge **Upgrade to 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 <sup>1234</sup>	Whole blood Plasma – Citrate	Optical Impedance	PFA 100	CE Marked Assay	PPG-CUH-PAT-436
1030 Haematology - .57 Screening test for infectious mononucleosis	Clearview IM Screening Test for Infectious Mononucleosis <sup>34</sup>	EDTA	Heterophile Antibody	Alere IM II Kit	CE Marked Assay	PPG-CUH-PAT-480

1030 Haematology - .70 Immunophenotyping	Cell Surface Markers <sup>1234</sup> 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 <sup>1234</sup>	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
	Intracellular Markers <sup>1234</sup> cyCD3, cyCD79a, cyIgM, TdT, MPO, Kappa, Lambda <sup>1234</sup>					
	CD4 Assay <sup>1234</sup> CD3/8/45/4 <sup>1234</sup>					
CSF Flow Cytometry <sup>**124</sup>	Cerebrospinal Fluid	Immunophenotyping	BD FACS Lyric flow cytometers 1 & 2	CE Marked Assay	PPG-CUH-PAT- 1973	
Enumeration of CD34 cells <sup>1234</sup>	Whole Blood in EDTA	Flow Cytometry	FACS Lyric	CE Marked Assay	PPG-CUH-PAT- 1973	
Multiset Immune Monitoring CD3, CD4, CD8, CD19, CD16/56 <sup>1234</sup>		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	
CD4 Assay <sup>1234</sup> CD3/8/45/4 <sup>1234</sup>						

						PPG-CUH-PAT-499 PPG-CUH-PAT-500 PPG-CUH-PAT-1973
1030 Haematology - .80 Molecular genetic studies	JAK2**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 <sup>1234</sup>	Whole Blood in EDTA	High Performance Liquid Chromatography HPLC	Tosoh G11 **new G11 analyser	CE Marked Assay	PPG-CUH-PAT-451 PPG-CUH-PAT-452
	Pregnancy test <sup>1234</sup>	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 agglutination/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
<p><i>The laboratory is accredited for a flexible scope of testing in the following categories</i></p> <p>1 Range of measurement may be extended</p> <p>2 Parameters may be added</p> <p>3 Test matrices may be added</p> <p>4 Equipment/kit</p>						

## Head Office

### Histopathology and Cytopathology

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 **new coverslipper	Based on standard method	Qualitative test	PPG-CUH-PAT-622
	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 **Coldplate	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

		**Change from Leica H&E Stain to Leica Infinity Staining Kit			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 Microtome Stainer Bond III	Based on standard method	Qualitative test	PPG-CUH-PAT-951	
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 New H&E stain (Neuro)	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
	Biebrich Scarlet		Manual	Standard Method	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 **Change to Haematoxylin and Eosin reagents		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-622 PPG-CUH-PAT-989
Haematoxylin Van Gieson (HVG)		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-989
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	Fresh Muscle Tissue	Manual Oven	Based on standard method	Qualitative test	PPG-CUH-PAT-988

Myoadenylate deaminase NADH PFK					
Non-gynae cytology Immunohistochemistry: ICC on Cell Blocks and cytocentrifuged samples.	Human Tissue	Immunohistochemistry Antibodies <sup>1234</sup> AE1-3 , AFP, ALK NSCLC , Alk1, AMACR/P504S, AMACR/P63/34βE12 , 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 CD23, CD30, CD31 , CD34, CD43, CD45/CLA, CD45RO/UCHL-1, 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 EBER/EBV, EMA, E-	CE	Qualitative test	PPG-CUH-PAT-665

		<p> 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, IgG4 , Ki-67, Ki-67/Melan-A,  Lysozyme,  Mel A, Mel tri-cocktail ,  MDM2,, MNF 116,  MOC31  Mum 1, MPO ,  Myogenin, Napsin,  NKX3.1, NSE, OCT2, OCT4  P16, P40, P40/TTF1,  P57, P53 , P63,  P63/CK5/6, Parvovirus,  PAX5, PAX8, PD1, PD-L1, Perforin  PCP, PLAP, PR,  PRAME, Prostein / P501S, PSA, PSAP  RCC , SARS CoV-2,  SMA, Synapto, S100 ,  TDT, Thyroglobulin,  TTF-1 , WT1  Vimentin , SOX 10,  SOX 11, Uroplakin,  34βE12 </p> <p> ***Note re flexible scope: 2 new antibodies: INSM-1 &amp; SMARCA4 and 1 </p>			
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		replacement antibody: Arginase. New ICC stainer: Ventana Benchmark 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
Solochrome cyanine		Manual	Standard Method	Qualitative test	PPG-CUH-PAT-989
Toluidine Blue		Manual Automated	Standard Method	Qualitative test	PPG-CUH-PAT-989 PPG-CUH-PAT-622
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	Stained glass slides – Tissue sections	H&E - Special Stains - ICC	Based on standard method	Qualitative test  PPG-CUH-PAT-602

	tissue specimens Specialist areas excluded: Paediatric Pathology Specialist areas 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** <sup>24</sup> AE1-3 , AFP, ALK NSCLC , Alk1, AMACR/P504S, AMACR/P63/34BE12 , Arginase , β-Catenin,BCL-2, BCL-6 , BER-4, BOB-1 , BRAF Caldesmon, Calcitonin, Calretinin, CAM 5.2 , carbonic	Human Tissue	Immunostaining Ventana Benchmark Ultra Immunostainer **New Ventana BenchMark Ultra Plus stainer	CE	Qualitative test	PPG-CUH-PAT-669 PPG-CUH-PAT-580 PPG-CUH-PAT-926

	<p>anhydrase IX,          Cathepsin K, CD1a ,          CD3, CD4, CD5, CD7,          CD8, CD10, CD15 ,          CD20, CD21 CD23,          CD30, CD31 , CD34,          CD43, CD45/CLA,          CD45RO/UCHL-1,          CD56, CD57, CD68,          CD79a, CD99          CD117/C-KIT, CD138,          CDX2, CEA Poly ,          Chromogranin A, CK          5/6, CK7 , CK19 ,          CK20, C-MYC,, CMV,          CMYC, CYCLIN D1 ,          D2-40 / Podoplanin,          DESMIN , Dog-1          EBER/EBV, 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 ,          HMB45 Inhibin, IgG4 ,          Ki-67, Ki-67/Melan-A,          Lysozyme, Mel A, Mel          tri-cocktail , MDM2,          MLH1 MMR/MSH6,          MMR/PMS2, MNF          116, MOC31 Mum 1,          MPO, MSH2 ,          Myogenin, Napsin,          NKX3.1, NSE, OCT2,          OCT4 P16, P40,          P40/TTF1, P57, P53 ,          P63, P63/CK5/6,</p>					
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	<p>PAX5, PAX8, Parvovirus, PD1, PD-L1, Perforin PCP, PLAP, PR, PRAME, Prostein / P501S, PSA, PSAP RCC ,Sara CoV-2, SMA, Synapto, S100 , TDT, Thyroglobulin, TTF-1 , Uroplakin II, WT1 Vimentin , SOX 10, SOX 11, 34βE12  ****Note re flexible scope: Arginase (ROU) replaced with CE marked Arginase alternative; there are six new antibodies: INSM1, FH, anti-2SC, SS18-SSX fusion specific antibody, SSX specific antibody, SMARCA4.</p>					
	<p>Immunohistochemistry Neuropathology Markers**24:  Alpha-synuclein,, ATRX, B-Amyoid, A4), Brachyury, B-APP, C5b-9, FUS , GFAP , H3K27M, H3K27me3, HIV (P24), HSV 1, IDH1, INI1, MAP2 , MHC1, MBP, Measles, Myosin (fast), Myosin (slow) Myosin (neonatal) ,</p>		<p>Immunostaining Ventana Ultra Bond III</p>	<p>CE</p>	<p>Qualitative test</p>	<p>PPG-CUH-PAT-669  PPG-CUH-PAT-580  PPG-CUH-PAT-926</p>

	<p>Nestin, NeuN, NF (52/2F11), Olig 2, PHH3, Pre-albumin/Transthyretin, 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 , GH, SF1, TPIT, Pit-1</p> <p>***Note re flexible scope: 3 antibodies were replaced B-Amyloid, Luteinising Hormone (LH), Adrenocorticotrophic hormone (ACTH).</p>
1051 Histopathology - .11 Chromogenic / bright-field in situ hybridisation	<p>Chromogenic in situ hybridisation method**24</p> <p>List of probes specific to each laboratory</p> <p>EBER</p> <p>Her-2 DDISH</p> <p>HPV mRNA ISH</p>

Immunostaining Ventana Ultra	CE	Qualitative test	PPG-CUH-PAT-669 PPG-CUH-PAT-580 PPG-CUH-PAT-680

	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 Cobas KRAS, NRAS, EGFR, BRAF. ALK, ROS, RET, MET	CE	Qualitative test	PPG-CUH-PAT-1101 PPG-CUH-PAT-1103 PPG-CUH-PAT-1104
	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) KingFisher DuoPrime - sample preparation	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,	Human Tissue	Direct Immuno- fluorescence, Fluorescent microscope	Standard Method	Qualitative method	PPG-CUH-PAT-687

	C3-FITC, C1q-FITC, Kappa-FITC, Lambda-FITC, Fibrin-FITC					
	Paraneoplastic screen**24 (to include new Ravo PNS-14 kit)	Serum	Manual Indirect immunofluorescence & Immunoblot	Standard Method	Qualitative method	PPG-CUH-PAT-901
	Remove-duplicate	Human Tissue	Direct Immunofluorescence, 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 Cyto centrifugation Direct Smear Thin Prep 2000 Statspin Cytocentrifuge	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*

## Head Office

### 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 <sup>1234</sup>	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-	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

		ovarian abscess Pouch of Douglas fluid Intra-uterine contraceptive device (IUCD) Semen Blood Cultures Bone Marrow CSF CSF Shunts Peritoneal Dialysis Fluid				
	Urine Microscopy automated <sup>1**234</sup>	Urine	UF5000/ Flow cytometry for automated urine microscopy	CE Marked Assay	WCC,RCC <20 to >1000 per ul. Semi-quantitative 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 <sup>1234</sup>	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 <sup>1234</sup>	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	Microscopic examination of Mycobacteria <sup>**2,3,4</sup>	Sputum, Brocheoalveolar Lavage /Bronchial washings, Blood or	Light/ Fluorescent microscope	Based on standard method	Qualitative test	PPG-CUH-PAT-766

staining with dyes as required - .04 Microscopic examination for mycobacteria		bone marrow, CSF, body fluids, aspirates, pus, Skin / tissue biopsy / post-mortem specimens, Sputum, Urine				
1013 Culture of organisms in liquid or agar based culture media with visual or instrument monitoring for growth - .01 Culture of general bacteria	Culture of General Bacteria <sup>1234</sup>	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)	Bactec FX blood culture instrument, Culture media  *** Replacement of Bactec FX with same model	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

		Semen Blood Cultures Sterile Fluids Bone Marrow CSF CSF Shunts Peritoneal Dialysis Fluid Faeces				
	Microscopic examination of General bacteriology <sup>1234</sup>		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 <sup>1234</sup>	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	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

		<p>Aqueous and vitreous humour, corneal scrapings</p> <p>Antral washout, sinus aspirate, sinus washout</p> <p>Aspirates from:</p> <p>Bartholin's gland</p> <p>Fallopian tube</p> <p>Tubo-ovarian abscess</p> <p>Pouch of Douglas fluid</p> <p>Intra-uterine contraceptive device (IUCD)</p> <p>Semen</p> <p>Blood Cultures</p> <p>Sterile Fluids</p> <p>Bone Marrow</p> <p>CSF</p> <p>CSF Shunts</p> <p>Peritoneal Dialysis Fluid</p> <p>Hair, Nail, Skin</p>				
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	<p>BAL/Bronchial washings,</p> <p>Blood or bone marrow, CSF, body fluids, aspirates, pus, Gastric lavage fluid, Laryngeal swabs / Other swabs, Skin / tissue biopsy / post-mortem specimens, Sputum, Urine</p>	<p>MB/ BacT Alert Bactec FX</p> <p>MB/ BacT Alert liquid media (update to formula)</p> <p>Solid media (RGM)</p>	<p>Based on standard method</p> <p>Non-CE marked test</p>	Qualitative test	<p>PPG-CUH-PAT-764</p> <p>PPG-CUH-PAT-766</p> <p>PPG-CUH-PAT-707</p>
1014 Detection of bacterial, parasite, viral or fungal antigens using	C. DIFF QUIK CHEK COMPLETE**234	Faeces	Immunochromographic Kit	CE Marked assay	Qualitative test	PPG-CUH-PAT-3053

specific antibodies and appropriate techniques - .04 Immunochromatographic methods,						
	Coris RESIST-4 0.K.NV**2,3,4	Isolate	Immunochromatography	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 <sup>1234</sup>	Faeces	Immunochromatographic Kit	CE marked assay	Qualitative test	PPG-CUH-PAT-726
	Legionella Urinary Antigen <sup>1234</sup>	Urine	Immunochromatographic Kit	CE marked assay	Qualitative test	PPG-CUH-PAT-832
	Urinary Pneumococcal Antigen <sup>1234</sup>		Immunochromatographic 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 acid probe hybridization, CE marked commercial systems	ePlex® Respiratory Pathogen Panel 2 (RP2) **234	Nose and/or Throat swabs in VTM, UTM or equivalent	Cobas ePlex® system **** kit upgrade	CE marked assay	Qualitative test	PPG-CUH-PAT-3059
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 ***Update to two kit (SARS Co V 2 only and combined SARS /FLU/RSV kit)	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 4800	CE marked assay	Qualitative test	PPG-CUH-PAT-738
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 Neisseria gonorrhoeae**2,3,4	Urine Endocervical Swab High Vaginal Swab	Real Time PCR Roche Cobas 4800 Cepheid GeneXpert®Dx System	CE marked assay	Qualitative test PPG-CUH-PAT-738 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 <sup>1234</sup>	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 <sup>1234</sup>	Urine	MAST Uriplus imagind analyser MAST Uriwell multipoint inoculator 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 <sup>1234</sup>	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	Identification of		Mass Spectrometry	Based on standard	Qualitative test	PPG-CUH-PAT-859

cultured bacteria and fungi using non-nucleic acid based techniques - .04 Identification using MALDI-TOF Spectroscopy	Cultured Bacteria <sup>234</sup> (including Mycobacteria)		Bruker Maldi-tof Optimised for Mycobacteria	method		PPG-CUH-PAT-843 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 <sup>1234</sup>		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		VersaTREK Qualitative susceptibility testing	Based on standard method	Qualitative test	PPG-CUH-PAT-770
1017 Measurement of antimicrobial activity and application of clinical interpretive criteria to general bacteria (rapidly growing aerobes) - .03 Yeasts	Sensititre yeast susceptibility testing <sup>**234</sup>	Isolate	Broth Microdilution	CE marked assay	Qualitative test	PPG-CUH-PAT-860
	Yeasts <sup>1234</sup>	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 Other categories of organism (as specified )	MAST Uriplus <sup>1234</sup> **** Mast Uriplus fosfomycin concentration change from 32mg/l to 8mg/l and Trimethoprim concentration change from 2 to 4	Urine	MAST Uriplus imagind analyser MAST Uriwell multipoint inoculator MAST Uriplus breakpoint susceptibility testing.	CE marked assay	No growth, no significant growth or Significant growth with organism identification and susceptibility	PPG-CUH-PAT-3032
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 <sup>1234</sup>	Serum	Particle Agglutination Kit	CE marked assay	Qualitative test	PPG-CUH-PAT-832
	Syphilis Rapid Plasma Reagin (RPR) and Treponema pallidum Haemagglutination (TPHA) Tests <sup>1234</sup>		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)** <sup>1234</sup>		Liaison XL Chemiluminescent Immunoassay	CE marked Assay	Qualitative	PPG-CUH-PAT-1959
	Anti HEV IgG** <sup>1234</sup>		Liaison XL Chemiluminescent Immunoassay	CE marked Assay	Qualitative	PPG-CUH-PAT-1959
	Anti HEV IgM** <sup>1234</sup>		Liaison XL Chemiluminescent Immunoassay	CE marked Assay	Qualitative	PPG-CUH-PAT-1959

Antibodies to Hepatitis B e Antigen (Anti-HBe) Assay <sup>1234</sup>
Antibodies to Hepatitis B Surface Antigen (Anti-HBs) Assay <sup>1234</sup>
Borrelia Burdorferi IgM (Lyme) <sup>**1234</sup>
Borrelia Burgdorferi IgG (Lyme) <sup>1234</sup>
Cytomegalovirus IgG Assay <sup>1234</sup>
Cytomegalovirus IgM Assay <sup>1234</sup>
EBNA IgG (EBV) <sup>**1234</sup>
Epstein-Barr Virus VCA IgM Assay <sup>1234</sup>
Hepatitis A Virus IgG Assay <sup>1234</sup>
Hepatitis A Virus IgM Assay <sup>1234</sup>
Hepatitis B Core Total Antibody <sup>1234</sup> Assay

Architect Chemiluminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
Architect Chemiluminescent Immunoassay	CE marked assay	0 to 1,000 mIU/mL	PPG-CUH-PAT-1960
Liaison XL Chemiluminescent Immunoassay	CE Marked assay	Qualitative test	PPG-CUH-PAT-1959
Liaison XL Chemiluminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1959
Architect Chemiluminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
Architect Chemiluminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
Liaison XL Chemiluminescent Immunoassay	CE marked Assay	Qualitative	PPG-CUH-PAT-1959
Architect Chemiluminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
Architect Chemiluminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
Architect Chemiluminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
Architect Chemiluminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960

Hepatitis B e Antigen (HBeAg) <sup>1234</sup> Assay
Hepatitis B Surface Antigen (HBsAg) Assay <sup>1234</sup>
Hepatitis C Virus Antibody (Anti-HCV) Assay <sup>1234</sup>
Hepatitis C Virus Antigen (HCV Ag) Assay <sup>1234</sup> ****Now performed on an alternative Abbott Architect analyser
HIV Ag/Ab Combo Assay <sup>1234</sup>
Measles IgG <sup>**1234</sup>
Mumps IgG <sup>**1234</sup>
Parvovirus IgG <sup>**1234</sup>
Parvovirus IgM <sup>**1234</sup>
Rubella IgG Assay <sup>1234</sup>
Rubella IgM Assay <sup>1234</sup>

Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
Architect Chemi-luminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
Liaison Chemiluminiscent Immunoassay	CE Marked assay	Qualitative test	PPG-CUH-PAT-1959
Liaison Chemiluminiscent Immunoassay	CE Marked assay	Qualitative test	PPG-CUH-PAT-1959
Liaison Chemiluminiscent Immunoassay	CE Marked Assay	Qualitative assay	PPG-CUH-PAT-1959
Liaison Chemiluminiscent Immunoassay	CE Marked assay	Qualitative test	PPG-CUH-PAT-1959
Architect Chemi-luminescent Immunoassay	CE marked assay	0 to 500 IU/mL	PPG-CUH-PAT-1960
Architect Chemi-luminescent	CE marked assay	Qualitative test	PPG-CUH-PAT-1960

		Immunoassay			
	Syphilis Total Antibody Assay <sup>1234</sup>	Architect Chemiluminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	Toxoplasma IgG Assay <sup>1234</sup>	Architect Chemiluminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	Toxoplasma IgM Assay <sup>1234</sup>	Architect Chemiluminescent Immunoassay	CE marked assay	Qualitative test	PPG-CUH-PAT-1960
	Varicella-zoster Virus IgG <sup>1234</sup>	Liaison XL Chemiluminescent Immunoassay  *** Updated kit	CE marked assay	Qualitative test	PPG-CUH-PAT-1959
1029 Miscellaneous - .99 Miscellaneous tests	Amikacin Assay <sup>1234</sup>	Cobas c311 KIMS	CE marked assay	0.8 to 40.0 mg/L	PPG-CUH-PAT-821
	Gentamicin Assay <sup>1234</sup>	Cobas c311 KIMS	CE marked assay	0.4 to 10.0 mg/L	PPG-CUH-PAT-821
	Tobramycin Assay <sup>1234</sup>	Cobas c311 KIMS	CE marked assay	0.33 to 10.0 mg/L	PPG-CUH-PAT-821
	Vancomycin Assay <sup>1234</sup>	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

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*1 Range of measurement may be extended*

*2 Parameters may be added*

*3 Test matrices may be added*

*4 Equipment/kit*

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