

Schedule of Accreditation



Organisation Name	Beacon Hospital
Trading As	Beacon Hospital Sandyford Ltd.
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Website	http://www.beaconhospital.ie
Accreditation Standard	EN ISO 15189
Standard Version	2012
Date of award of accreditation	15/09/2009
Scope Classification	Microbiology and virology
Scope Classification	Blood Transfusion Science
Scope Classification	Haematology
Scope Classification	Histopathology and cytopathology
Scope Classification	Chemical pathology
Services available to the public ¹	

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	Beacon Court, Sandyford, Dublin, D18

Scope of Accreditation

Head Office

Blood Transfusion Science

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
1020 Transfusion science - .01 Blood grouping including ABO, Rh(D) and other antigens by manual methods	Blood grouping (ABO Rh D typing)	Red blood cells	Grifols DG Gel Card Technology	Manual standard method	N/A	LP-BB-005 Manual Tube Method LP-BB-102 Manual Card Method
1020 Transfusion science - .03 Blood group antibody screen	Antibody Screening	Plasma	Manual and Automated systems	Manual and Automated standard methods	N/A	LP-BB-006 Manual Card Method LP-BB-045 Automated Method
1020 Transfusion science - .04 Identification of blood group antibodies	Antibody Identification		Manual and Automated systems	Manual and Automated standard methods	N/A	LP-BB-Manual Card Method LP-BB-045 Automated Method
1020 Transfusion science - .05 Cross match compatible donor units	Compatibility Testing	Red cells and Plasma	Manual and Automated systems	Manual and Automated standard methods	N/A	LP-BB-011 Manual Crossmatching Tubes LP-BB-032 Manual Crossmatching Cards LP-BB-045 Automated Crossmatching
1020 Transfusion science - .06 Red cell phenotyping	Antigen Typing	Red blood cells	Manual Tubes and Card systems	Manual standard methods	N/A	LP-BB-009 Manual Tubes Method

						LP-BB-010 Manual Card Method
1020 Transfusion science - .09 Direct antiglobulin test	Direct Coombs Testing		Manual Tubes and Card systems	Manual standard methods	N/A	LP-BB-016 Manual Tube/Card Method
<i>a The hospital blood bank has been assessed and is competent to comply with Articles 14 and 15 of the EU Directive 2002/98/EC (S.I. 360/2005 and S.I. 547/2006)</i>						

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	Adjusted Calcium	Serum	Calculation	LIMS/Meditech	CE	LP-BIO-010/ LP-BIO-011
	Alanine Aminotransferase		colorimetric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Alkaline Phosphatase		colorimetric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Amylase		enzymatic colorimetric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Aspartate Aminotransferase		colorimetric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Bilirubin - Total		colorimetric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Calcium		photometric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Chloride Indirect ISE		indirect ISE	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Cholesterol		enzymatic colorimetric assay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	CKD-EPI GFR or Estimated GDFR (MDRD)		Calculation	LIMS /Meditech	CE	LP-BIO-010/ LP-BIO-011
	Creatine Kinase		photometric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Creatinine (Enzymatic)	enzymatic method measured photometrically	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011	
CSF Glucose	CSF	photometric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-	

					011/LP-BIO-25	
Gamma Glutamyl Transferase	Serum	enzymatic colorimetric assay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011	
Glucose	Plasma	photometric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011	
HDL Cholesterol	Serum	homogeneous enzymatic colorimetric test	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011	
Lactate Dehydrogenase		enzymatic assay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011	
LDL Cholesterol		Calculation	LIMS/Meditech	CE	LP-BIO-010/ LP-BIO-011	
Magnesium		colorimetric end point assay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011	
Osmolality Freezing Point Depression	Serum/ urine	Freezing Point Depression	Advanced Micro-Osmometer	CE	LP-BIO-003	
Phosphate	Serum	photometric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011	
Potassium Indirect ISE		indirect ISE	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011	
Sodium Indirect ISE		indirect ISE	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011	
Triglycerides		enzymatic colorimetric assay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011	
Troponin T High Sensitivity		Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011	
Urea		photometric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011	
Uric Acid		enzymatic colorimetric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011	
Urine Amylase		Urine	enzymatic colorimetric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011/LP-BIO-27
Urine Calcium			photometric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011/LP-BIO-27
Urine Creatinine	enzymatic method measured photometrically		Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011/LP-BIO-27	
Urine Microalbumin	immuno-turbidimetric		Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011/LP-BIO-27	
Urine Phosphate	photometric		Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011/LP-BIO-27	

	Urine Potassium		indirect ISEs	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011/LP-BIO-27
	Urine Sodium		indirect ISEs	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011/LP-BIO-27
1061 Clinical Chemistry - .02 Proteins, quantitative analysis	Albumin	Serum	colorimetric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	C Reactive Protein		particle enhanced immunoturbidometric assay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Calculated Globulin		Calculation	LIMS/Meditech	CE	LP-BIO-010/ LP-BIO-011
	CSF Total Protein	CSF	turbidimetric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011/LP-BIO-25
	Total Protein	Serum	colorimetric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Urine Total Protein	Urine	turbidimetric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011/LP-BIO-27
1061 Clinical Chemistry - .10 Drugs for therapeutic monitoring	Amikacin	Serum	kinetic interaction of microparticles in solution (KIMS)	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Gentamicin		kinetic interaction of microparticles in solution (KIMS)	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Vancomycin		homogeneous enzyme immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
1061 Clinical Chemistry - .20 Hormones	Cortisol		competitive immunoassay using electrochemiluminescence	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Follicular Stimulating Hormone		Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	FT4		competitive immunoassay using electrochemiluminescence	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Luteinizing Hormone		Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	NT-Pro-BNP		Electrochemiluminescent sandwich Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Oestradiol		Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011

	Parathyroid Hormone	Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Progesterone	Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Prolactin	Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Testosterone	Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Thyroid Stimulating Hormone	electrochemiluminescent sandwich Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
1061 Clinical Chemistry - .40 Iron studies	Ferritin	Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Iron	colorimetric	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	TIBC	Calculation	LIMS/Meditech	CE	LP-BIO-010/ LP-BIO-011
	Transferrin saturation	Calculation	LIMS/Meditech	CE	LP-BIO-010/ LP-BIO-011
	UIBC	Direct determination with FerroZine	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
1061 Clinical Chemistry - .45 Vitamin B12 and folate	Folate	Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	Vitamin B12	Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
1061 Clinical Chemistry - .47 Vitamin assays	Vitamin D	Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
1061 Clinical Chemistry - .50 Protein and peptide tumour markers	AFP	Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	CA125	Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	CA15-3	Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	CA19-9	Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	CEA	Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
	HCG	Electrochemiluminescent	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-

			Immunoassay			011
	tPSA		Electrochemiluminescent Immunoassay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011
1061 Clinical Chemistry - .83 Rheumatoid factor – quantitative assays	Rheumatoid Factor		Immunoturbidometric assay	Roche Cobas 8000	CE	LP-BIO-010/ LP-BIO-011

The hospital pathology laboratory is accredited for the provision of Point of Care testing in accordance with ISO 15189:2012 and ISO 22870:2017, for the tests identified in category B.

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	Heparinised whole blood	Amperometric measurement	iSTAT Alinity	CE	LP-NPT-012/LP-NPT-010
	eGFR		Calculation	iSTAT Alinity	CE	LP-NPT-012/LP-NPT-010
	Glucose	Fingerprick	Enzymatic and amperometric	Nova StatStrip	CE	LP-NPT-003
	Ketones		Enzymatic and amperometric	Nova StatStrip	CE	LP-NPT-003
1061 Clinical Chemistry - .05 CO-oximetry	COHb	Heparinised whole blood	Optical system/spectrophotometer	ABL90 FLEX	CE	LP-NPT-002
			Spectrophotometry	ABL90 FLEX PLUS	CE	LP-NPT-002
	Hb		Optical system/spectrophotometer	ABL90 FLEX	CE	LP-NPT-002
			Spectrophotometry	ABL90 FLEX PLUS	CE	LP-NPT-002
	HHb		Optical system/spectrophotometer	ABL90 FLEX	CE	LP-NPT-002
			Spectrophotometry	ABL90 FLEX PLUS	CE	LP-NPT-002
	MetHb		Optical system/spectrophotometer	ABL90 FLEX	CE	LP-NPT-002
			Spectrophotometry	ABL90 FLEX PLUS	CE	LP-NPT-002
	O2Hb		Optical system/spectrophotometer	ABL90 FLEX	CE	LP-NPT-002

		Spectrophotometry	ABL90 FLEX PLUS	CE	LP-NPT-002
1061 Clinical Chemistry - .06 Blood pH and gas tensions	pCO2	Electric potential	ABL90 FLEX	CE	LP-NPT-002
	pH	Potentiometry	ABL90 FLEX PLUS	CE	LP-NPT-002
		Potentiometric measurement	ABL90 FLEX	CE	LP-NPT-002
	pO2	Potentiometry	ABL90 FLEX PLUS	CE	LP-NPT-002
		Optical	ABL90 FLEX	CE	LP-NPT-002
	sO2	Optical pO2	ABL90 FLEX PLUS	CE	LP-NPT-002
		Optical system/spectrophotometer	ABL90 FLEX	CE	LP-NPT-002
1061 Clinical Chemistry - .07 Other analytes performed on a blood gas analyser	Bicarbonate	Spectrophotometry	ABL90 FLEX PLUS	CE	LP-NPT-002
		Calculated	ABL90 FLEX PLUS	CE	LP-NPT-002
	Cl	Potentiometric measurement	ABL90 FLEX	CE	LP-NPT-002
		Potentiometric measurement	ABL90 FLEX	CE	LP-NPT-002
	Glucose	Potentiometry (Direct ISE)	ABL90 FLEX PLUS	CE	LP-NPT-002
		Amperometry	ABL90 FLEX PLUS	CE	LP-NPT-002
	iCa	Potentiometric measurement	ABL90 FLEX	CE	LP-NPT-002
		Potentiometric measurement	ABL90 FLEX	CE	LP-NPT-002
	K	Potentiometry (Direct ISE)	ABL90 FLEX PLUS	CE	LP-NPT-002
		Potentiometric measurement	ABL90 FLEX	CE	LP-NPT-002
		Potentiometry (Direct ISE)	ABL90 FLEX	CE	LP-NPT-002

				PLUS		
	Lactate		Amperometry	ABL90 FLEX PLUS	CE	LP-NPT-002
			Potentiometric measurement	ABL90 FLEX	CE	LP-NPT-002
	Na		Potentiometric measurement	ABL90 FLEX	CE	LP-NPT-002
			Potentiometry (Direct ISE)	ABL90 FLEX PLUS	CE	LP-NPT-002
1061 Clinical Chemistry - .65 Pregnancy tests – qualitative	Urine hCG	Urine	Lateral Flow Assay	Clinitek Status +	CE	LP-NPT-005

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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	Full Blood Count	EDTA Blood	Automated	Sysmex XN2000	Automated	LP-HAEM-002
1030 Haematology - .02 Visual examination of blood films	Blood Film		Manual	N/A	Manual	LP-HAEM-025
1030 Haematology - .03 Erythrocyte sedimentation rate	Erythrocyte Sedimentation Rate	Tri-Sodium Citrate	Manual	N/A	Manual	LP-HAEM-010
1030 Haematology - .05 Automated differential leucocyte counts	Full Blood Count with Automated Differential leucocyte counts	EDTA Blood	Automated	Sysmex XN2000	Automated	LP-HAEM-002
1030 Haematology - .41 General haemostasis related tests	Activated partial Thromboplastin Time	Tri-Sodium Citrate	Automated	Stago Compact Max	Automated	LP-HAEM-012
	APTT ratio	3.2% Sodium Citrated	Chronometry	0.6-5.5	CE-IVD	LP-HAEM-012
	D-Dimer	Tri-Sodium Citrate	Automated	Stago Compact Max	Automated	LP-HAEM-012
	Fibrinogen		Automated	Stago Compact Max	Automated	LP-HAEM-012
	INR	3.2% Sodium Citrated	Chronometry	0.74-7.26	CE-IVD	LP-HAEM-012
	Prothrombin Time	Tri-Sodium Citrate	Automated	Stago Compact Max	Automated	LP-HAEM-012

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	Automated Haematoxylin and Eosin Staining	Human Tissue	Automated	CE Marked	N/A	LP-HIST-062 LP-HIST-014
	Coverslipping		Automated	CE Marked	N/A	LP-HIST-062 LP-HIST-065
	Cut Up		Manual	Based on Standard Method	N/A	LP-HIST-001 LP-HIST-003
	Decalcification		Manual	Based on Standard Method	N/A	LP-HIST-005
	Embedding		Automated/Embedding Centre	CE Marked	N/A	LP-HIST-008
	Microtomy		Manual/Automated	Based on Standard Method	N/A	LP-HIST-009, LP-HIST-010
	Tissue Processing		Automated	CE Marked	N/A	LP-HIST-061
1051 Histopathology - .035 Histological Interpretation	Diagnostic interpretation and reporting		Manual/Microscope	Based on Standard Method	N/A	LP-HIST-055,LP-HIST-056

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
1011 Macroscopic examination and description	Macroscopic examination and description of specimens	Sputum, CSF, Faeces	Manual	Visual	N/A	LP-MIC-001, LP-MIC-007, LP-MIC-008, LP-MIC-013
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)	Gram stain, cell counts and differentials	Eye/Ear Swab, High Vaginal Swab, Cervical/Urethral Swab, Fluids,CSF, Blood Cultures, Urines	Light Microscopy	Microscopy	N/A	LP-MIC-004, LP-MIC-011, LP-MIC-079, LP-MIC-030, LP-MIC-005, LP-MIC-080, LP-MIC-008,
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 Bacterial specimens	Sputum, Broncheolar lavage, eye swab, high vaginal swab, tracheal aspirate, urine, fluids,CSF, Tissues, Biopsies, Bone, Pus, Penile/Urethral swab, endocervical swab, tips, drains, faeces, mouth swabs, wound swabs, ear swab, throat swab, theatre specimens, sinus aspirates, nasal swabs, abscesses, IV cannulae, intraocular fluid, corneal scrapings, MRSA	Culture	N/A	N/A	LP-MIC-003, LP-MIC-004, LP-MIC-005, LP-MIC-005, LP-MIC-007, LP-MIC-008, LP-MIC-013, LP-MIC-015, LP-MIC-028, LP-MIC-027, LP-MIC-031, LP-MIC-080,

		swab, VRE swab, CPE swab, Bile, Ulcer swabs, Surveillance specimens, Environmental specimens				
1014 Detection of bacterial, parasite, viral or fungal antigens using specific antibodies and appropriate techniques - .04 Immunochemical methods,	C.diff GDH Toxin	Faeces	Lateral flow	Test Kit	N/A	LP-MIC-033
	Legionella urinary antigen	Urine	Rapid immunochromatographic assay	Test Kit	N/A	LP-MIC-004
	Pneumococcal urinary antigen	Urine and CSF	Rapid immunochromatographic assay	Test Kit	N/A	LP-MIC-004, LP-MIC-008
1015 Detection and/or identification of bacterial, parasite, fungal and viral nucleic acids - .03 Nucleic acid amplification tests, CE marked commercial systems	Respiratory Viral Panel 2.1 Severe Acute Resp Syndrome Coronavirus SARS-CoV-2	Bronchial washings, Sputum, Broncheolar lavages, Nasopharyngeal swabs, throat swabs, nose swabs, oropharyngeal swabs.	PCR	Biofire Film array	N/A	LP-MIC-092
	SARS-CoV-2		PCR	Seegene	N/A	LP-MIC-096
	Xpert Xpress SARS-CoV-2		PCR	GeneXpert	N/A	LP-MIC-071
1016 Identification of cultured bacteria and fungi using non-nucleic acid based techniques - .01 Biochemical methods , CE marked commercial systems	Pastorex, Streptococcal Grouping Kit	Bacterial isolates	Particle agglutination	N/A	N/A	LP-MIC-079
1016 Identification of cultured bacteria and fungi using non-nucleic acid based techniques - .04 Identification using MALDI-TOF Spectroscopy	Identification using MALDI-TOF Spectroscopy	Bacterial isolates, Candida sp.	Mass Spectrophotometry	Vitek MS	N/A	LP-MIC-031, LP-MIC-086
1017 Measurement of	Antimicrobial	Bacterial isolates	Broth mic	Vitek 2 60	N/A	LP-MIC-087

antimicrobial activity and application of clinical interpretive criteria to general bacteria (rapidly growing aerobes) - .05 Other categories of organism (as specified)	susceptibility testing									
							Disc Diffusion	N/A	N/A	LP-MIC-061
							Minimum inhibitory concentration	Gradient MIC	N/A	LP-MIC-061
1024 Preservation of microbial cultures	Microorganism storage	New MRSA, VRE, CPE and ESBL Isolates referred to external labs, Staph aureus, Pseudomonas.	Cryogenic Beads	N/A	N/A	LP-MIC-003, LP-MIC-004, LP-MIC-005, LP-MIC-005, LP-MIC-007, LP-MIC-008, LP-MIC-013, LP-MIC-015, LP-MIC-028, LP-MIC-027, LP-MIC-031, LP-MIC-080,				