

Schedule of Accreditation



Organisation Name	Midland Regional Hospital Portlaoise
Trading As	
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Accreditation Standard	EN ISO 15189
Standard Version	2022
Date of award of accreditation	28/10/2008
Scope Classification	Blood Transfusion Science
Scope Classification	Haematology
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	Pathology Department, Midland Regional Hospital, Dublin Road, Portlaoise, Laois, Ireland, R32 RW61

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 Group	Red Blood Cells	Manual Diamed Gel Card Method/Ag/Ab reaction	CE	N/A	P/BT/SOP/002
		Red Blood Cells Plasma	Manual Tube Method/Ag/Ab reaction	CE	N/A	P/BT/SOP/002
1020 Transfusion science - .02 Blood grouping including ABO, Rh(D) and other antigens by automated methods		Red Blood Cells	Automated Biorad ID DiaClon ABO/D+DAT Gel Card method/Ag/Ab reaction	CE	N/A	P/BT/SOP/052
Red Blood Cells Plasma		Automated Biorad ID-Clon ABO/D+Rev.grp Gel Card Method/Ag/Ab reaction	CE	N/A	P/BT/SOP/052	

1020 Transfusion science - .03 Blood group antibody screen	Antibody Screen	Plasma	Automated Biorad ID-LISS/Coombs Gel Card Method/Ag/Ab reaction	CE	N/A	P/BT/SOP/052
	Blood Group Antibody Screen		Manual Diamed Gel Card Method/Ag/Ab reaction	CE	N/A	P/BT/SOP/002
1020 Transfusion science - .04 Identification of blood group antibodies	Identification of Blood Group Antibodies		Manual Diamed Gel Card Method/Ag/Ab reaction	CE	N/A	P/BT/SOP/004
	Identification of Antibodies		Automated Biorad ID-LISS/Coombs Gel Card Method/Ag/Ab reaction	CE	N/A	P/BT/SOP/052
1020 Transfusion science - .05 Cross match compatible donor units	Determination of compatibility of donor units using appropriate techniques including the investigation of transfusion reactions	Red Blood Cells Plasma	Manual Diamed Gel Card Method/Ag/Ab reaction	CE	N/A	P/BT/SOP/003 P/BT/SOP/002 P/BT/SOP/004
1020 Transfusion science - .06 Red cell phenotyping	Red Cell Phenotyping	Red Blood Cells	Manual Diamed Gel Card Method/Ag/Ab reaction	CE	N/A	P/BT/SOP/004
	Red Cell Phenotyping		Manual BioRad DiaClon ID Card Method Ag/Ab Reaction	CE	NA	P/BT/LI/047
			Manual Tube Method/Ag/Ab reaction	CE	N/A	P/BT/SOP/004
1020 Transfusion science - .09 Direct antiglobulin test	Direct Antiglobulin Test		Automated Biorad ID DiaClon ABO/D+DAT Gel Card method/Ag/Ab reaction	CE	N/A	P/BT/SOP/52
	Direct Antiglobulin Test		Manual Diamed Gel Card Method/Ag/Ab reaction	CE	N/A	P/BT/SOP/006

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	24 Hour Urinary Calcium	24 Hour Urine Collection	Photometric, BAPTA	Cobas C702	CE Calculated	P BIO SOP 100
	24 Hour Urinary Creatinine		Kinetic Colourimetric assay based on Jaffe method, Alkaline picrate method, IFCC-IDMS standardised	Cobas C702	CE Calculated	P BIO SOP 077
	24 Hour Urinary Phosphate		UV Phosphomolybdate	Cobas C702	CE Calculated	P BIO SOP 091
	24 Hour Urinary Potassium		ISE Indirect	Cobas ISE (Cobas 8000)	CE Calculated	P BIO SOP 085
	24 Hour Urinary Sodium		ISE Indirect	Cobas ISE (Cobas 8000)	CE Calculated	P BIO SOP 085
	24 Hour Urinary Uric Acid		Colourimetric, Uricase	Cobas C702	CE Calculated	P BIO SOP 099
	Alanine amino transferase (ALT)	Serum	UV without P5P IFCC	Cobas C702	CE	P BIO SOP 071
	Albumin		Colourimetric, Bromocresol Green (BCG)	Cobas C702	CE	P BIO SOP 067
	Alkaline Phosphatase (ALP)		Colourimetric, PNPP, AMP buffer-IFCC	Cobas C702	CE	P BIO SOP 070

Alpha Amylase		Colourimetric Enzymatic	Cobas C702	CE	P BIO SOP 072
Aspartate amino transferase (AST)		UV without P5P IFCC	Cobas C702	CE	P BIO SOP 073
C Reactive Protein		Particle enhanced Immuno Turbidmetric assay	Cobas C702	CE	P BIO SOP 078
Calcium		Photometric, BAPTA	Cobas C702	CE	P BIO SOP 100
Chloride		ISE Indirect	Cobas ISE (Cobas 8000)	CE	P BIO SOP 085
Cholesterol		Colourimetric Enzymatic, Cholesterol esterase	Cobas C702	CE	P BIO SOP 075
Corrected Calcium		Photometric, BAPTA	Cobas C702	CE Calculated	P BIO SOP 100
Creatinine		Kinetic Colourimetric assay based on Jaffe method, Alkaline picrate method, IFCC-IDMS standardised	Cobas C702	CE	P BIO SOP 077
Creatinine Kinase		UV, NAC Activated-IFCC	Cobas C702	CE	P BIO SOP 076
Direct Bilirubin		Colourimetric Diazotization	Cobas 702	CE	P BIO SOP 101
eGFR		Kinetic Colourimetric assay based on Jaffe method, Alkaline picrate method, IFCC-IDMS standardised	Cobas C702	CE Calculated	P BIO SOP 077
Gamma glutamyl transferase		Enzymatic Colourimetric, G-glutamyl-carboxy-nitroanilide (Szasz)	Cobas C702	CE	P BIO SOP 082
Glucose	Plasma, Serum, CSF	UV Enzymatic, hexokinase	Cobas C702	CE	P BIO SOP 081
HDL Cholesterol	Serum	Enzymatic Colourimetric, Direct	Cobas C702	CE	P BIO SOP 084

		measure, polymer-polyanion			
Inorganic Phosphorus		UV Phosphomolybdate	Cobas C702	CE	P BIO SOP 091
Lactate	Plasma	Enzymatic	Cobas C702	CE	P BIO SOP 086
Lactate Dehydrogenase (LDH)	Serum	UV assay, L-Lactate to Pyruvate	Cobas C702	CE	P BIO SOP 087
LDL Cholesterol		Enzymatic Colourimetric, Direct measure	Cobas C702	CE	P BIO SOP 088
Magnesium		Colourimetric endpoint method, Xylidyl blue	Cobas C702	CE	P BIO SOP 089
Microalbumin	Urine	Immuno-turbidimetric	Cobas C702	CE	P BIO SOP 068
N-terminal pro B-type Natriuretic Peptide	Serum	Immunoassay	e411	CE	P BIO SOP 046
Potassium	Serum, Urine	ISE Indirect	Cobas ISE (Cobas 8000)	CE	P BIO SOP 085
Sodium		ISE indirect	Cobas ISE (Cobas 8000)	CE	P BIO SOP 085
Total Bilirubin	Serum	Colourimetric Diazo method, Dizonium Ion blanked	Cobas C702	CE	P BIO SOP 074
Triglyceride		Enzymatic, endpoint	Cobas C702	CE	P BIO SOP 095
Troponin T hs (High Sensitivity)		Immunoassay	Cobas e602 and e411	CE	P BIO SOP 093
Urea		UV, Urease	Cobas C702	CE	P BIO SOP 098
Uric Acid		Colourimetric, Uricase	Cobas C702	CE	P BIO SOP 099
Urine Calcium		Photometric, BAPTA	Cobas C702	CE	P BIO SOP 100
Urine Creatinine	Urine	Kinetic Colourimetric assay based on Jaffe method, Alkaline picrate method, IFCC-IDMS standardised	Cobas C702	CE	P BIO SOP 077

	Urine Phosphate		UV Phosphomolybdate	Cobas C702	CE	P BIO SOP 091
	Urine Potassium		ISE indirect	Cobas ISE (Cobas 8000)	CE	P BIO SOP 085
	Urine Sodium		ISE indirect	Cobas ISE (Cobas 8000)	CE	P BIO SOP 085
	Urine Uric Acid		Colourimetric, Uricase	Cobas C702	CE	P BIO SOP 099
1061 Clinical Chemistry - .02 Proteins, quantitative analysis	24 Hour Urinary Microalbumin	24 Hour Urine Collection	Immunoturbidimetric	Cobas C702	CE Calculated	P BIO SOP 068
	24 Hour Urinary Total Protein		Turbidimetric method, benzethonium chloride	Cobas C702	CE Calculated	P BOP SOP 096
	CSF Protein	CSF	Turbidimetric method, benzethonium chloride	Cobas C702	CE	P BIO SOP 096
	Estimated 24 Hour Protein	Urine	Turbidimetric method, benzethonium chloride	Cobas C702	CE Calculated	P BIO SOP 096
	Microalbumin Creatinine ratio		Microalbumin - Immunoturbidimetric Creatinine-Kinetic Colourimetric assay based on Jaffe method, Alkaline picrate method, IFCC_IDMS standardised	Cobas C702	CE Calculated	P BIO SOP 068 & P BIO SOP 077
	Total Protein	Serum	Colourimetric, Biuret method	Cobas C702	CE	P BIO SOP 094
	Urine Protein	Urine	Turbidimetric method, benzethonium chloride	Cobas C702	CE	P BIO SOP 096

1061 Clinical Chemistry - .10 Drugs for therapeutic monitoring	Acetaminophen	Serum	Colourimetric	Cobas C702	CE	P BIO SOP 069
	Gentamicin		Kinetic assay	Cobas C702	CE	P BIO SOP 114
	Lithium		Colourimetric	Cobas C702	CE	P BIO SOP 116
	Salicylate		Enzymatic, salicylate hydroxylase	Cobas C702	CE	P BIO SOP 092
	Vancomycin	Plasma	Kinetic assay	Cobas C702	CE	P BIO SOP 103
1061 Clinical Chemistry - .14 Alcohol for non-legal purposes	Ethanol	Serum	Enzymatic, alcohol dehydrogenase	Cobas C702	CE	P BIO SOP 079
1061 Clinical Chemistry - .20 Hormones	Intact Human Chorionic Gonadotrophin and the Beta subunit		Immunoassay	e411	CE	P BIO SOP 039
1061 Clinical Chemistry - .40 Iron studies	% Saturation		Iron-Colourimetric, Ferrozine-no deproteinization UIBC - Colourimetric Ferrozine	Cobas C702	CE Calculated	P BIO SOP 097
	Iron		Colourimetric, Ferrozine-no deproteinization	Cobas C702	CE	P BIO SOP 080
	Total Iron Binding Capacity (TIBC)		Iron-Colourimetric, Ferrozine-no deproteinization UIBC - Colourimetric Ferrozine	Cobas C702	CE Calculated	P BIO SOP 097
	Unsaturated Iron Binding Capacity (UIBC)		Colourimetric, Ferrozine	Cobas C702	CE	P BIO SOP 097
1061 Clinical Chemistry - .83 Rheumatoid factor – quantitative assays	Rheumatoid Factor		Immunoturbidimetric assay	Cobas C702	CE	P BIO SOP 112

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	Automated Full Blood Count including White Blood Cell Count (WBC), Red Blood Cell Count (RBC), Haemoglobin (Hb), Haematocrit (HCT), Platelet Count (PLT), Nucleated Red Blood Cell (NRBC)	Whole Blood EDTA	Automated, WBC: Flow Cytometry, RBC: Electrical Impedance, Hb: Spectrophotometry, HCT: Electrical Impedance and Pulse Height detection, PLT: Electrical Impedance, Fluorescent dye, Optical, NRBC Flow Cytometry and Dye Bonding	Sysmex XN10/XN20	CE/Based on Standard Method	P/HAEM/SOP/016
1030 Haematology - .02 Visual examination of blood films	Visual examination of Blood Films including white cell differential and cell morphology		Manual examination of stained blood films (Aerospray pro model 7152 stainer)	Aerospray pro model 7152 stainer Microscope	CE	P/HAEM/SOP/022 P/HAEM/SOP/005
			Manual/Visual examination of stained blood films (Wescor)	Wescor stainer Microscope	CE	P/HAEM/SOP/005
1030 Haematology - .03 Erythrocyte sedimentation rate	Erythrocyte Sedimentation Rate (ESR)		Automated / Quantitative Capillary Photometry	ALIFAX Test1 2.0	CE	P/HAEM/SOP/023
1030 Haematology - .05 Automated differential leucocyte counts	Automated Differential Leucocyte Count including Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils		Automated Flow Cytometry and Dye bonding	Sysmex XN10/XN20	CE/Based on standard Method	P/HAEM/SOP/016
1030 Haematology - .06 Automated reticulocyte counts	Automated Reticulocyte Count		Automated Flow Cytometry and Dye Bonding	Sysmex XN10/XN20	CE/Based on Standard method	P/HAEM/SOP/016

1030 Haematology - .09 Examination of malarial parasites	Blood Film examination for malarial parasites		Manual/Visual examination of thick and thin stained blood films. I	Microscope.	based on standard method	P/HAEM/SOP/009
	Detection of parasitic antigens		Immunochromatographic diagnostic test (ICT) Manual qualitative test/Ag/ab reaction/Visual	BinaxNOW Malaria CareUS™ Malaria	CE marked kit based on standard method	P/HAEM/SOP/009
1030 Haematology - .30 Tests for haemoglobin variants and thalassaemia	Sickle Cell Screen (Qualitative solubility test)		Manual qualitative test/Visual solubility test	STRECK Sickledex kit/Viewing rack	CE	P/HAEM/SOP/010
1030 Haematology - .31 Tests for foetal Hb (Kleihauer)	Kleihauer test		Manual quantitative test/Visual examination of stained blood film	Guest Medical Kleihauer Kit, Microscope	CE	P/HAEM/SOP/011
1030 Haematology - .41 General haemostasis related tests	Activated partial Thromboplastin Ratio APTT _r	Citrated Plasma	Calculated test	ACL TOP 550CTS	CE	P/COAG/SOP 008
	Activated Partial thromboplastin Time	Citared Plasma	Automated/ Clotting Time	ACL TOP 550 CTS	CE	P/COAG/SOP/008
	D dimer	Citrated Plasma	Automated/change of turbidity	ACL TOP 550 CTS	CE	P/COAG/SOP/008
	Fibrinogen		Automated/Clauss method	ACL TOP 550 CTS	CE	P/COAG/SOP/008
	International Normalised Ratio INR		Calculated test	ACL TOP 550 CTS	CE	P/COAG SOP/008
	Prothrombin Time /Internationalised Normalised ratio (INR)		Automated/ Clotting Time	ACL TOP 550 CTS	CE	P/COAG/SOP/008
1030 Haematology - .57 Screening test for infectious mononucleosis	Screening test for Infectious Mononucleosis	Plasma EDTA	Manual qualitative test/ Ag/Ab reaction/Visual	Clearview IM II Kit	CE	P/HAEM/SOP/013