

Schedule of Accreditation



Organisation Name	Naas General Hospital
Trading As	
INAB Reg No	259MT
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Accreditation Standard	ISO 15189
Date Initially Awarded	13/04/2010
Scope Classification	Blood Transfusion Science
Scope Classification	Haematology
Scope Classification	Chemical pathology
Services available to the public ¹	Yes

¹ Refer to document on interpreting INAB Scopes of Accreditation

Sites from which accredited services are delivered	
(the detail of the accredited services delivered at each site are on the Scope of Accreditation)	
Name	Address
1 Naas General Hospital	Pathology Department, Kildare, W91 AE76

Scope of Accreditation

Naas General Hospital

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	Whole Blood	Manual method in cassettes (Ortho Biovue) Manual method in tubes	CE	Qualitative Range of Grading 0-4	NGH/BB/SOP/004
1020 Transfusion science - .02 Blood grouping including ABO, Rh(D) and other antigens by automated methods			Automated method in cassettes (Ortho Vision)	CE	Qualitative Range of Grading 0-4	NGH/BB/SOP/004
1020 Transfusion science - .03 Blood group antibody screen	Antibody Screening	Plasma	Automated method in cassettes (Ortho Vision) Manual method in cassettes (Ortho Biovue) Manual method in tubes	CE	Qualitative Range of Grading 0-4	NGH/BB/SOP/006
1020 Transfusion science - .04 Identification of blood group antibodies	Antibody Investigation		Automated method in cassettes (Ortho Vision) Manual method in cassettes (Ortho Biovue) Manual method in tubes	CE	Qualitative Range of Grading 0-4	NGH/BB/SOP/007
1020 Transfusion science - .05 Cross match compatible donor units	Crossmatching		Automated method in cassettes (Ortho Vision) Manual method in cassettes (Ortho Biovue) Manual method in tubes	CE	Qualitative Range of Grading 0-4	NGH/BB/SOP/010
1020 Transfusion science - .06 Red cell phenotyping	Antigen Typing	Red Blood Cells	Manual method in cassettes (Ortho Biovue) Manual method in tubes	CE	Qualitative Range of Grading 0-4	NGH/BB/SOP/009
1020 Transfusion science - .09 Direct	Direct Coombs Test (DCT)	Red Blood Cells	Manual method in cassettes (Ortho	CE	Qualitative Range of	NGH/BB/SOP/008

antiglobulin test			Biovue) Manual method in tubes		Grading 0-4	
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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	Acetaminophen	Serum/Plasma	Colorimetric Assay	Roche Cobas 6000	CE	NGH/BIO/SOP/021
	Alanine Aminotransferase (ALT)		TRIS buffer without pyridoxal phosphate activation, acc. to IFCC	Roche Cobas 6000	CE	NGH/BIO/SOP/022
	Albumin		BCG Colorimetric Assay	Roche Cobas 6000	CE	NGH/BIO/SOP/023
	Alkaline Phosphatase (ALP)		AMP Buffer IFCC - Colorimetric Assay	Roche Cobas 6000	CE	NGH/BIO/SOP/024
	Amylase		Enzymatic Colorimetric Assay acc. to IFCC G7 substrate	Roche Cobas 6000	CE	NGH/BIO/SOP/025
	Aspartate Aminotransferase (AST)		TRIS buffer without pyridoxal phosphate activation - IFCC	Roche Cobas 6000	CE	NGH/BIO/SOP/026
	Calcium	Serum/Plasma/Urine	5-nitro-5'-methyl-BAPTA (NM_BAPTA)	Roche Cobas 6000	CE	NGH/BIO/SOP/027
	Calcium 24 Hours	Urine	Calculation	Roche Cobas 6000	Formula based on standard method	NGH/BIO/SOP/027
	Calcium Corrected	Serum/Plasma	Calculated	Roche Cobas 6000	Formula - based on standard method	NGH/BIO/SOP/020
	Calcium Creatinine Ratio	Urine	Calculation	Roche Cobas 6000	Formula based on Standard Method	NGH/BIO/SOP/027 NGH/BIO/SOP/031
	Calculated Low Density Lipoprotein (cLDL)	Serum/Plasma	Calculated	Roche Cobas 6000	Formula - based on standard method	NGH/BIO/SOP/049
	Chloride		Indirect ISE	Roche Cobas 6000	CE	NGH/BIO/SOP/028
	Cholesterol		Enzymatic Colorimetric Assay	Roche Cobas 6000	CE	NGH/BIO/SOP/029
	C-Reactive Protein (CRP)		Particle Enhanced Immunoturbidimetric Assay	Roche Cobas 6000	CE	NGH/BIO/SOP/030
	Creatine Kinase (CK)		CK N-acetylcysteine - IFCC	Roche Cobas 6000	CE	NGH/BIO/SOP/032
	Creatinine	Serum/Plasma/Urine	Enzymatic Method	Roche Cobas 6000	CE	NGH/BIO/SOP/031
	Creatinine 24 hours	Urine	Calculation	Roche Cobas 6000	Formula based on Standard Method	NGH/BIO/SOP/031
	Creatinine Clearance		Calculation	Roche Cobas 6000	Formula based on Standard Method	NGH/BIO/SOP/031

	eGFR	Serum/Plasma	Calculated	Roche Cobas 6000	Formula - based on standard method	NGH/BIO/SOP/020
	Free Thyroxine (FT4)		Competition Principle - Electrochemiluminescence Immunoassay	Roche Cobas 6000	CE	NGH/BIO/SOP/053
	Gamma Glutamyltransferase (GGT)		Enzymatic Colorimetric Assay IFCC - Carboxynitroanilide	Roche Cobas 6000	CE	NGH/BIO/SOP/034
	Glucose	Serum /Plasma	Enzymatic Reference Method with Hexokinase	Roche Cobas 6000	CE	NGH/BIO/SOP/035
	Glucose CSF	CSF	Enzymatic Reference Method with Hexokinase	Roche Cobas 6000	CE	NGH/BIO/SOP/035
	High Density Lipoprotein (HDL)	Serum/Plasma	Homogeneous Enzymatic Colorimetric Assay	Roche Cobas 6000	CE	NGH/BIO/SOP/036
	Lactate Dehydrogenase (LDH)		L-Lactate to Pyruvate - IFCC N-methylglucamine	Roche Cobas 6000	CE	NGH/BIO/SOP/037
	Magnesium		Colorimetric Endpoint Method - Xylidyl Blue	Roche Cobas 6000	CE	NGH/BIO/SOP/039
	NT-PRO BNP	Plasma	Electrochemiluminescence	Roche Cobas 6000	CE	NGH/BIO/SOP/044
	Phosphate	Serum/Plasma/Urine	Phosphomolybdate UV	Roche Cobas 6000	CE	NGH/BIO/SOP/040
	Phosphate 24 Hours	Urine	Calculation	Roche Cobas 6000	Formula based on Standard Method	NGH/BIO/SOP/040
	Potassium	Serum/Plasma/Urine	Indirect ISE	Roche Cobas 6000	CE	NGH/BIO/SOP/041
	Potassium 24 Hours	Urine	Calculation	Roche Cobas 6000	Formula based on Standard Method	NGH/BIO/SOP/041
	Salicylate	Serum/Plasma	Enzymatic Method	Roche Cobas 6000	CE	NGH/BIO/SOP/042
	Sodium	Serum/Plasma/Urine	Indirect ISE	Roche Cobas 6000	CE	NGH/BIO/SOP/043
	Sodium 24 Hours	Urine	Calculation	Roche Cobas 6000	Formula based on Standard Method	NGH/BIO/SOP/043
	Thyroid Stimulating Hormone (TSH)	Serum/Plasma	Sandwich Principle - Electrochemiluminescence Immunoassay	Roche Cobas 6000	CE	NGH/BIO/SOP/054
	Total Bilirubin		Colorimetric Diazo Method	Roche Cobas 6000	CE	NGH/BIO/SOP/072
	Triglyceride		Enzymatic Colorimetric	Roche Cobas 6000	CE	NGH/BIO/SOP/046
	Troponin T hs	Plasma	Sandwich Principle - Electrochemiluminescence Immunoassay	Roche Cobas 6000	CE	NGH/BIO/SOP/057
	Urea	Serum/Plasma	Kinetic Urease	Roche Cobas 6000	CE	NGH/BIO/SOP/047
	Uric Acid		Enzymatic Colorimetric Test - Endpoint Uricase	Roche Cobas 6000	CE	NGH/BIO/SOP/048
1061 Clinical Chemistry - .02 Proteins, quantitative analysis	Microalbumin	Urine	Immunoturbidimetric Assay	Roche Cobas 6000	CE	NGH/BIO/SOP/051
	Microalbumin Creatinine Ratio		Calculation	Roche Cobas 6000	Formula based on Standard Method	NGH/BIO/SOP/051 NGH/BIO/SOP/031

	Protein Creatinine Ratio		Calculation	Roche Cobas 6000	Formula based on Standard Method	NGH/BIO/SOP/050 NGH/BIO/SOP/031
	Total Protein	Serum/Plasma	Colorimetric Biuret Assay	Roche Cobas 6000	CE	NGH/BIO/SOP/045 NGH/BIO/SOP/050 NGH/BIO/SOP/052
		Urine	Turbidimetric Method	Roche Cobas 6000	CE	NGH/BIO/SOP/050
	Total Protein 24 Hours		Calculation	Roche Cobas 6000	Formula based on Standard Method	NGH/BIO/SOP/050
	Total Protein CSF	CSF	Turbidimetric	Roche Cobas 6000	CE	NGH/BIO/SOP/052
1061 Clinical Chemistry - .10 Drugs for therapeutic monitoring	Lithium	Serum	Colorimetric Assay	Roche Cobas 6000	CE	NGH/BIO/SOP/038
1061 Clinical Chemistry - .14 Alcohol for non-legal purposes	Ethanol	Serum/Plasma	Enzymatic Method with Alcohol Dehydrogenase	Roche Cobas 6000	CE	NGH/BIO/SOP/033
1061 Clinical Chemistry - .20 Hormones	hCG-Beta		Electrochemiluminescence	Roche Cobas 6000	CE	NGH/BIO/SOP/058
1061 Clinical Chemistry - .50 Protein and peptide tumour markers	Prostate Specific Antigen (PSA)		Sandwich Principle - Electrochemiluminescence Immunoassay	Roche Cobas 6000	CE	NGH/BIO/SOP/055
1061 Clinical Chemistry - .60 Glycohaemoglobins	HbA1c	EDTA Blood	Reverse-Phase Cation Exchange Chromatography	Adams Arkay HA-8180V	CE	NGH/BIO/SOP/059

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	Haematocrit	Whole Blood	Calculated from Red Cell Count and MCV	CD Sapphire	CE	NGH/HAEM/SOP/003 NGH/HAEM/SOP/004
	Haemoglobin		Absorption Spectrophotometry	CD Sapphire	CE	NGH/HAEM/SOP/003 NGH/HAEM/SOP/004
	MCH		Calculated from Haemoglobin and Red Cell Count	CD Sapphire	CE	NGH/HAEM/SOP/003 NGH/HAEM/SOP/004
	MCHC		Calculated from Haemoglobin, MCV and Red Cell Count	CD Sapphire	CE	NGH/HAEM/SOP/003 NGH/HAEM/SOP/004
	Mean Cell Volume		Flow Cytometry	CD Sapphire	CE	NGH/HAEM/SOP/003 NGH/HAEM/SOP/004
	Platelet Count		Flow Cytometry Optical	CD Sapphire	CE	NGH/HAEM/SOP/003 NGH/HAEM/SOP/004
	Red Cell Count		Flow Cytometry Impedence	CD Sapphire	CE	NGH/HAEM/SOP/003 NGH/HAEM/SOP/004
	White Cell Count		Flow Cytometry Light Scatter	CD Sapphire	CE	NGH/HAEM/SOP/003 NGH/HAEM/SOP/004
1030 Haematology - .02 Visual examination of blood films	Eosinophils Basophils Precursor Cells Platelets	Whole Blood Film	Staining/Microscopy	Hematek Stainer Nikon Microscopes	Based on standard method	NGH/HAEM/SOP/020
	Lymphocytes Monocytes		Staining/Microscopy	Hematek Stainer Nikon Microscopes	Based on standard method	NGH/HAEM/SOP/020
	Neutrophils		Staining/Microscopy	Hematek Stainer Nikon Microscopes	Based on standard method	NGH/HAEM/SOP/020
	Red Cell Morphology		Staining/Microscopy	Hematek Stainer Nikon Microscopes	Based on standard method	NGH/HAEM/SOP/020
1030 Haematology - .03 Erthrocyte sedimentation rate	Erythrocyte Sedimentation Rate (Automated)	Whole Blood	Sedimentation of RBCs	Alifax Test - 1	CE	NGH/HAEM/SOP/021
1030 Haematology - .05 Automated differential leucocyte counts	Basophil Count		Flow Cytometry Light Scatter	CD Sapphire	CE	NGH/HAEM/SOP/003 NGH/HAEM/SOP/004
	Eosinophil Count		Flow Cytometry Light Scatter	CD Sapphire	CE	NGH/HAEM/SOP/003 NGH/HAEM/SOP/004
	Lymphocyte Count		Flow Cytometry Light Scatter	CD Sapphire	CE	NGH/HAEM/SOP/003 NGH/HAEM/SOP/004
	Monocyte Count		Flow Cytometry Light Scatter	CD Sapphire	CE	NGH/HAEM/SOP/003 NGH/HAEM/SOP/004
	Neutrophil Count		Flow Cytometry Light Scatter	CD Sapphire	CE	NGH/HAEM/SOP/003 NGH/HAEM/SOP/004

1030 Haematology - .06 Automated reticulocyte counts	Reticulocyte Count		Fluorescence Flow Cytometry	CD Sapphire	CE	NGH/HAEM/SOP/003 NGH/HAEM/SOP/004
1030 Haematology - .09 Examination of malarial parasites	Binax Now Screening Test	Whole Blood	Immunochromatographic Test	Manual	Based on standard method	NGH/HAEM/SOP/025
	Malaria Blood Film Examination	Whole Blood	Staining/Microscopy	Manual Nikon Microscopes	Based on standard method	NGH/HAEM/SOP/025
1030 Haematology - .41 General haemostasis related tests	Activated Partial Thromboplastin Time (APTT)	Plasma	Photo-Optical Technology	Sysmex CS-2100i	CE	NGH/HAEM/SOP/006
	D-Dimer		Photo-Optical Technology	Sysmex CS-2100i	CE	NGH/HAEM/SOP/006
	Fibrinogen (Clauss)		Photo-Optical Technology	Sysmex CS-2100i	CE	NGH/HAEM/SOP/006
	International Normalised Ratio (INR)		Calculation using PT results, mean normal PT and ISI	Sysmex CS-2100i	CE	NGH/HAEM/SOP/006
	Prothrombin Time (PT)		Photo-Optical Technology	Sysmex CS-2100i	CE	NGH/HAEM/SOP/006
1030 Haematology - .57 Screening test for infectious mononucleosis	Monospot Latex Kit		Latex Agglutination	Monospot® kit	CE	NGH/HAEM/SOP/022