

# Schedule of Accreditation



Organisation Name	Naas General Hospital
Trading As	
INAB Reg No	259MT
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Accreditation Standard	EN ISO 15189
Standard Version	2012
Date of award of accreditation	13/04/2010
Scope Classification	Blood Transfusion Science
Scope Classification	Haematology
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	Naas General Hospital	Pathology Department, Naas, 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)	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 antiglobulin test	Direct Coombs Test (DCT)	Red Blood Cells	Manual method in cassettes (Ortho Biovue) Manual method in tubes	CE	Qualitative Range of Grading 0-4	NGH/BB/SOP/008

*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)*

## 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	Acetaminophen	Serum/Plasma	Colorimetric Assay	Roche Cobas 6000	CE	NGH/BIO/SOP/021
			Enzyme Immunoassay	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 Adjusted	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)	Serum/Plasma	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
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

## 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 (including WBC, RBC, Hb, HCT, MCH, MCHC, MCV & Platelets)	Whole Blood - EDTA	Automated Flow Cytometry and Colourimetry	Advia 2120i	CE	NGH/HAEM/SOP/008 NGH/HAEM/SOP/009
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 Erythrocyte 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	Automated Differential (Neutrophils, Lymphocytes, Monocytes, Eosinophils & Basophils)	Whole Blood - EDTA	Automated Flow Cytometry	Advia 2120i	CE	NGH/HAEM/SOP/008 NGH/HAEM/SOP/009
1030 Haematology - .06 Automated reticulocyte counts	Reticulocyte Count		Automated Flow Cytometry	Advia 2120i	CE	NGH/HAEM/SOP/008 NGH/HAEM/SOP/009



1030 Haematology - .09 Examination of malarial parasites	Binax Now Screening Test	Whole Blood	Immunochromatographic Test	Manual	Based on standard method	NGH/HAEM/SOP/025
	CAREUS Malaria Rapydtest	Whole Blood	Immunochromatographic test	Manual	Based on standard method	NGH/HAEM/SOP/025
	Malaria Blood Film Examination		Staining/Microscopy	Manual Nikon Microscopes	Based on standard method	NGH/HAEM/SOP/025
1030 Haematology - .40 Limited haemostasis related tests	Activated Partial Thromboplastin Time Ratio (APTT-R)	Plasma	Calculation	Sysmex CS-2100i	Based on standard method	NGH/HAEM/SOP/006
1030 Haematology - .41 General haemostasis related tests	Activated Partial Thromboplastin Time (APTT)		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	Screening test for infectious mononucleosis		Immunoassay	Clearview IM II Kit	CE	NGH/HAEM/SOP/022