

Schedule of Accreditation



Organisation Name	Naas General Hospital
Trading As	
INAB Reg No	259MT
Contact Name	Helen Dolan
Address	Pathology Department, Naas, Kildare, W91 AE76
Contact Phone No	045 843051
Email	helen.dolan@hse.ie
Website	
Accreditation Standard	EN ISO 15189
Standard Version	2012
Date of award of accreditation	13/04/2010
Scope Classification	Microbiology and virology
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	Antibody Investigation		Automated method in cassettes (Ortho	CE	Qualitative Range of Grading 0-4	NGH/BB/SOP/007

group antibodies			Vision) Manual method in cassettes (Ortho Biovue)			
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
<i>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	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 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)		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

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 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	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

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	CSF Sputum	Visual	Based on standard method	Qualitative	NGH/MIC/SOP/034 NGH/MIC/SOP/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)	Cell Counts	CSF Fluids	Light Microscopy	Based on standard method	Cell counts	NGH/MIC/SOP/034 NGH/MIC/SOP/052
	Gram stain	Blood CSF Fluids Pus/Exudates Cervical Swab High Vaginal Swab Vaginal Discharge Vulval Swab Labial Swab Low Vaginal Swab Penile Swab Urethral Swab	Light Microscopy	Based on standard method	Qualitative	NGH/MIC/SOP/031 NGH/MIC/SOP/034 NGH/MIC/SOP/050 NGH/MIC/SOP/051 NGH/MIC/SOP/052
	Investigation of Urine Specimens	Urine - Bag; Catch; CSU; MSU; Suprapubic	Light Microscopy	Based on standard method	Cell Counts Qualitative	NGH/MIC/SOP/001
1013 Culture of organisms in liquid or agar based	Investigation of Blood Cultures	Blood	Culture	Based on standard method	Qualitative	NGH/MIC/SOP/031

culture media with visual or instrument monitoring for growth - .01 Culture of general bacteria						
	Investigation of Cerebrospinal Fluid	CSF	Culture	Based on standard method	Qualitative	NGH/MIC/SOP/034
	Investigation of Eye, Ear, Nose, Throat and associated specimens	Eye Swab Canalicular Pus Ear Swab Middle Ear Swab Mouth Swab Nasal Swab Pernasal Swab Throat Swab	Culture	Based on standard method	Qualitative	NGH/MIC/SOP/050
	Investigation of Fluids	Ascitic Fluid Bursa Fluid Pericardial Fluid Peritoneal Fluid Pleural Fluid Synovial Fluid	Culture	Based on standard method	Qualitative	NGH/MIC/SOP/052
	Investigation of Genital Tract and associated specimens	Cervical Swab High Vaginal Swab Vaginal Discharge Vulval Swab Labial Swab Low Vaginal Swab Penile Swab Urethral Swab	Culture	Based on standard method	Qualitative	NGH/MIC/SOP/051
	Investigation of Sputum and associated specimens	Bronchoalveolar Lavage Sputum & associated specimens	Culture	Based on standard method	Qualitative	NGH/MIC/SOP/013
	Investigation of Urine Specimens	Urine - Bag; Catch; CSU; MSU; Suprapubic	Culture	Based on standard method	Qualitative	NGH/MIC/SOP/001
	Investigation of Wounds and associated specimens	Pus/Exudates Wound Swabs Intravascular cannulae and associated specimens	Culture	Based on standard method	Qualitative	NGH/MIC/SOP/050 NGH/MIC/SOP/053
	MRSA Screen	Nasal, Throat, Axilla, Groin, Perineum and other sites depending on	Culture	Based on standard method	Qualitative	NGH/MIC/SOP/030

		clinical information				
	VRE Screen CRE Screen ESBL Screen	Rectal Swab Faeces	Culture	Based on standard method	Qualitative	NGH/MIC/SOP/057
1014 Detection of bacterial, parasite, viral or fungal antigens using specific antibodies and appropriate techniques - .04 Immunochromatographic methods,	Legionella Antigen Test	Urine	Immunochromatographic membrane assay	CE	Qualitative Pos/Neg	NGH/MIC/SOP/003
	Pneumococcal Antigen Test		Immunochromatographic membrane assay	CE	Qualitative Pos/Neg	NGH/MIC/SOP/003
1015 Detection and/or identification of bacterial, parasite, fungal and viral nucleic acids - .01 Nucleic acid probe hybridization, CE marked commercial systems	FilmArray Blood Culture BCID panel	Blood Culture	Biofire FilmArray Torch	CE marked	N/A	NGH/MIC/SOP/220
	FilmArray Meningitis/Encephalitis ME panel	CSF	Biofire FilmArray Torch	CE marked	N/A	NGH/MIC/SOP/220
	FilmArray Respiratory Panel	Naso/oropharyngeal swab	Biofire FilmArray Torch	CE marked	NA	NGH/MIC/SOP/222
1015 Detection and/or identification of bacterial, parasite, fungal and viral nucleic acids - .03 Nucleic acid amplification tests, CE marked commercial systems	CRE Carba-R Assay	Rectal Swab Faeces	Cepheid GeneXpert	CE marked	N/A	NGH/MIC/SOP/214
	Influenzae A/ Influenzae B/ RSV Xpert Xpress Flu Assay	Naso/ oropharyngeal swab	Cepheid GeneXpert	CE marked	N/A	NGH/MIC/SOP/212
	SARS-CoV-2	Naso/oropharyngeal swab	Cepheid GeneXpert	CE marked	NA	NGH/MIC/SOP/224
1017 Measurement of antimicrobial activity and application of clinical	Antimicrobial Susceptibility Testing	Isolates	Manual Eucast Method	Based on standard method	Qualitative	NGH/MIC/SOP/080

interpretive criteria to general bacteria (rapidly growing aerobes) - .01 Anaerobes						
	Identification & Antimicrobial Susceptibility Testing		Automated Eucast Method BD Phoenix	CE marked	N/A	NGH/MIC/SOP/081