

Schedule of Accreditation



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 University Hospital Microbiology
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 Accreditation Standard: ISO 15189
 Date Initially Awarded: 07/04/2009
 Scope Classification: Microbiology and virology

Services available to the public¹

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	Galway University Hospital, Newcastle Road, Galway

Scope of Accreditation

Head Office

Microbiology and Virology

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	Sputum Faeces	NA	NA	NA	MICSOP010 MICSOP070
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)	Microscopic examination for general bacteriology purposes	Blood cultures Swabs Wound exudates CSFs Fluids/Aspirates Genital tract and associated specimens Corneal lens/scrapings Bronchoalveolar Lavage Bronchial washings Pus Tissue/Biopsy Urine Fluids	Light/ fluorescent microscope	Microscopic examination for general bacteriology purposes including enumeration and description of human cells	NA	MICSOP058 MICSOP009 MICSOP010 MICSOP006 MICSOP025
1012 Preparation of films on glass slides followed by microscopic examination with or without fixation and staining with dyes as required - .02 Microscopic examination for parasites	Microscopic examination for general bacteriology purposes	Fluids/Aspirates Faeces Blood Sellotape slides Urine	Light microscope	Microscopic examination for parasites	NA	MICSOP025 MICSOP023 MICSOP024
1012 Preparation of films on glass slides followed by microscopic examination with or without fixation and staining with dyes as required - .03 Microscopic examination for fungi		Hair/nail/skin clippings	Light/ fluorescent microscope	Microscopic examination for fungi	NA	MICSOP048
1012 Preparation of films on glass slides followed by microscopic examination with or without fixation and staining with dyes as		Bronchoalveolar Lavage Bronchial washings Fluids/Aspirates Pus	Light/ fluorescent microscope	Microscopic examination for mycobacteria	NA	MICSOP007

required - .04 Microscopic examination for mycobacteria		Tissue/Biopsy Sputum Blood cultures				
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 bacteria	Blood cultures Swabs Wound exudates CSFs Fluids/Aspirates Genital tract and associated specimens Corneal lens/scrapings Bronchoalveolar Lavage Bronchial washings Pus Tissue/Biopsy Urine Fluids Faeces Sputum Swabs including screening swabs for VRE, CPE, MRSA and ESBL Tips IUD	Incubators Bactec FX Blood Culture System	Investigation of Blood cultures, urines, CSFs, faeces -Investigation of genital tract and associated Specimens -Culture of diagnostic specimens -Screening for multidrug resistant organisms	NA	MICSOP009 MICSOP010 MICSOP011 MICSOP013 MICSOP014 MICSOP025 MICSOP045 MICSOP070 MICSOP072
1013 Culture of organisms in liquid or agar based culture media with visual or instrument monitoring for growth - .02 Culture of fungi	Culture of fungi	Hair/nail/skin clippings Skin scrapings Blood cultures	Incubators Bactec FX Blood Culture System	Investigation of Dermatological Specimens for Superficial Mycoses	NA	MICSOP048 MICSOP009
1013 Culture of organisms in liquid or agar based culture media with visual or instrument monitoring for growth - .03 Culture of mycobacteria	Culture of mycobacteria	Sputum Bronchoalveolar Lavage Bronchial washings Tissue/Biopsy Pus	Incubators Bactec MGIT 960 Instrument	Culture of mycobacteria	NA	MICSOP007
1014 Detection of bacterial, parasite, viral or fungal antigens using specific antibodies and appropriate techniques - .01 Slide agglutination,	Slide agglutination	Bacterial isolates	NA	Serotyping of:- E. coli 026 and 0157	NA	MICSOP070MICSOP020
1014 Detection of bacterial, parasite, viral or fungal antigens using specific antibodies and appropriate techniques - .02 Particle agglutination	Particle agglutination		NA	Identification of E. coli O157 using the Oxoid Dryspot E. coli O157 kit	NA	MICSOP070
			NA	Identification of S. aureus by latex agglutination.	NA	MICSOP020
			NA	Serological identification of beta haemolytic strep belonging to Lancefield groups A, B,C,D, F and G	NA	MICSOP020
1014 Detection of bacterial, parasite, viral or fungal antigens using	Enzyme immunoassay	Plasma/Serum	Abbott Architect i1000sr	Confirmation of the presence of Hepatitis B virus Surface Antigen in	NA	VIR/SOP/071

specific antibodies and appropriate techniques - .03 Enzyme immunoassay,				human serum and plasma, using the Abbott Architect HBsAg Qualitative confirmatory assay			
			Abbott Architect i1000sr and i2000sr	Qualitative detection of Hepatitis B virus Surface Antigen in human serum and plasma, using the Abbott Architect HBsAg Qualitative assay	NA	VIR/SOP/066	
			Abbott Architect i2000sr	Qualitative detection of Hepatitis C virus Antigen in human serum and plasma, using the Abbott Architect HCV Ag assay	NA	VIR/SOP/058	
	Serum		Plate Reader and Washer	Qualitative detection of antibodies to C6 antigen using the Immunetics C6 Lyme ELISA kit	NA	VIR/SOP/094	
1014 Detection of bacterial, parasite, viral or fungal antigens using specific antibodies and appropriate techniques - .04 Immunochromatographic methods,	Immuno-chromatographic methods	Bacterial isolate	NA	Qualitative immunochromatographic assay for the rapid detection of penicillin-binding protein 2a (PBP2a) in isolates identified as Staphylococcus aureus	NA	MICSOP002Antimicrobial Susceptibility Testing	
		Urine	NA	Qualitative detection of Legionella Urinary Antigen detection using the Binax NOW kit	NA	VIR/SOP/052	
	Immuno-chromatographic methods	Faeces	Timer	Investigation of faeces specimens for Rota and Adenovirus using Coris Bioconcept Combi strip	NA	MICSOP026	
		Mycobacterial isolates	Timer	Identification of M. tuberculosis Complex using Becton Dickinson (BD) MGIT TBc identification test	NA	MICSOP007	
	Lateral flow assay	Bacterial isolates	N/A	Biotech Lateral Flow Kits for detection of CPE	NA	MICSOP072 MICFM274	
		CSF	NA	Qualitative detection of Cryptococcal antigen (CrAg) in cerebral spinal fluid (CSF) specimens	NA	MICSOP014 Investigation of CSF	
	1015 Detection and/or identification of bacterial, parasite, fungal and viral nucleic acids - .03 Nucleic acid amplification tests, CE marked commercial systems	GeneXpert Carba-R assay	Bacterial isolates	Cepheid GeneXpert Instrument	Qualitative detection of the blaKPC, blaNDM, blaVIM, blaOXA-48, and blaIMP-1 gene sequences associated with carbapenem-non-susceptibility in gram-negative bacteria	NA	MICSOP062
		GeneXpert GC RT-PCR assay		Cepheid GeneXpert Instrument	Qualitative detection and of Neisseria gonorrhoeae DNA from bacterial isolates .	N/A	MICSOP062
Nucleic acid		Faeces	Cepheid GeneXpert	Detection of Norovirus	NA	MICSOP062	

	amplification tests, CE marked commercial systems		Instrument	genogroup I and II RNA using the Cepheid GeneXpert Kit		
			Cepheid GeneXpert Instrument	Identification and characterisation of Clostridium difficile using the Cepheid GeneXpert Kit	NA	MICSOP062
			Roche Diagnostics Ltd Light cyler 480II Eppendorf Epmotion 5070	Detection of Salmonella enterica spp., Shigella spp., Campylobacter jejuni/coli/lari, Stx1/Stx2, Cryptosporidium and Giardia DNA using the Enteric Bio Real Time PCR Gastro Panel 2 kit from Serosep.	NA	MICSOP070
			Roche Diagnostics Ltd Light cyler 480II Eppendorf Epmotion 5070	Detection of C. difficile DNA using the Enteric Bio Real Time C. difficile PCR Kit from Serosep.	NA	MICSOP070
	Respiratory specimens and Mycobacterial isolates	Cepheid GeneXpert Instrument	Detection of M. Tuberculosis complex and Rifampicin resistance using the MTB/RIF Ultra GeneXpert Kit	NA	MICSOP062	
	Swabs	Cepheid GeneXpert Instrument	Detection of Chlamydia trachomatis and Neisseria gonorrhoeae DNA using the Cepheid GeneXpert Kit	NA	VIR/SOP/088	
1015 Detection and/or identification of bacterial, parasite, fungal and viral nucleic acids - .04 Nucleic acid amplification tests, in house developed assays	Detection of S. pneumoniae from EDTA blood using in house Real Time PCR	EDTA blood samples	Qiagen EZ1 Advanced XL AB7500 Instrument	Qualitative detection of S. pneumoniae, H. influenzae & N.meningitidis rom EDTA blood	NA	MICSOP063 MICSOP074
	Nucleic acid amplification tests, CE marked commercial systems	Respiratory specimens	Applied Biosystems Real-time PCR System - AB7500	Detection of Pneumocystis jirovecii DNA in respiratory specimens using the AB7500	NA	MICSOP060 MICSOP061 MICSOP067 MICSOP073
	Nucleic acid amplification tests, in-house developed assay	Bacterial isolates	Applied Biosystems Real-time PCR System - AB7500 Qiagen EZ1 Advanced XL	RT PCR Assays for the detection of blaCTX-M group 1, group 2 & group 9 and blaKPC, blaGES, blaIMI, blaOXA-48, blaNDM, blaVIM, blaIMP, blaOXA-23, blaOXA-51, blaOXA-24, blaOXA-58, gene DNA in Gram-Negative isolates.	NA	MICSOP060 MICSOP061 MICSOP066 MICSOP073
		CSF Fluids Tissues Swabs Bacterial isolates	Applied Biosystems Real-time PCR System - AB7500 Qiagen EZ1 Advanced XL	RT PCR assay for the detection of CoA gene in S.aureus -RT PCR assay for the detection of Group A Streptococcal DNA -RT PCR assay for the	NA	MICSOP060 MICSOP061 MICSOP063 MICSOP065 MICSOP074

				detection of MecA gene in S.aureus -RT PCR for the detection of S.pneumoniae DNA and determination of penicillin susceptibility -RT PCR assays for the detection of Haemophilus influenzae, Neisseria meningitidis DNA		
		CSF VTMS	Applied Biosystems Real-time PCR System - AB7500 Qiagen EZ1 Advanced XL	RT PCR assay for the detection of Herpes Simplex Virus 1 and 2 DNA	NA	MICSOP060 MICSOP061 MICSOP064 MICSOP071 MICSOP073
			Applied Biosystems Real-time PCR System - AB7500 Qiagen EZ1 Advanced XL	RT PCR Taqman assay for the detection of VZV	NA	MICSOP060 MICSOP061 MICSOP064 MICSOP071 MICSOP073
	RT-PCR Assay for the Detection of Plasmodium species from Blood	EDTA Blood samples	Qiagen EZ1 Advanced XL AB7500 Instrument	Qualitative detection of Plasmodium species from Blood	NA	MICSOP063 MICSOP075
1016 Identification of cultured bacteria and fungi using non-nucleic acid based techniques - .01 Biochemical methods , CE marked commercial systems	Biochemical methods, CE marked commercial systems	Bacterial isolates Fungal isolates	Biomerieux Vitek Compact instrument	Identification of bacterial and yeast isolates using the Vitek compact, Biomerieux APIs and other biochemical identification kits	NA	MICSOP020 MICSOP032
1016 Identification of cultured bacteria and fungi using non-nucleic acid based techniques - .03 Identification of fungi by microscopic morphology	Identification of fungi by microscopic morphology	Fungal isolates	Light/ fluorescent microscope	Investigation of Dermatological Specimens for Superficial Mycoses	NA	MICSOP048
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, fungal and Mycobacterial isolates	Bruker MALDI TOF instrument	Identification of organisms using the MALDI TOF Biotyper	NA	MICSOP068
1017 Measurement of antimicrobial activity and application of clinical interpretive criteria to general bacteria (rapidly growing aerobes) - .01 Anaerobes	Measurement of antimicrobial activity and application of clinical interpretive criteria for general bacteria	Bacterial isolates	The BIOMIC V3 Microbiology plate reading System from Giles Scientific Trek Diagnostic Sensititre instrument	Antimicrobial resistance testing of bacterial isolates using Disk diffusion and Minimum inhibitory concentration (MIC) testing with MIC strips and broth dilution on the Trek Diagnostic Sensititre instrument using EUCAST and CLSI interpretive guidelines	NA	MICSOP002 NSRLSOP018
	Use of ciprofloxacin, erythromycin and tetracycline E-tests/MIC and discs		Biomic Vision Digital Imaging Antibiotic Zone Reader	Antimicrobial resistance testing of bacterial isolates using Disk diffusion and Minimum inhibitory concentration	NA	MICSOP002 MICSOP038

	for susceptibility of <i>Campylobacter</i> species.			(MIC) testing with MIC strips and broth dilution on the Trek Diagnostic Sensititre instrument using EUCAST and CLSI interpretive guidelines		
1017 Measurement of antimicrobial activity and application of clinical interpretive criteria to general bacteria (rapidly growing aerobes) - .02 Mycobacteria	Measurement of antimicrobial activity and application of clinical interpretive criteria of Mycobacterial isolates	Mycobacterial isolates	Becton Dickinson BACTEC 960 MGIT	Antimicrobial resistance testing of Mycobacterial isolates on the BACTEC MGIT	NA	MICSOP007
1017 Measurement of antimicrobial activity and application of clinical interpretive criteria to general bacteria (rapidly growing aerobes) - .03 Yeasts	Measurement of antimicrobial activity and application of clinical interpretive criteria of yeasts	Yeast isolates	Biomerieux Vitek Compact instrument	Antimicrobial resistance testing of Yeast isolates using MIC test strips and the Vitek compact	NA	MICSOP032 MICSOP069
1017 Measurement of antimicrobial activity and application of clinical interpretive criteria to general bacteria (rapidly growing aerobes) - .05 Other categories of organism (as specified)	Inoculic - a new inoculum standardization device	Bacterial isolates	The BIOMIC V3 Microbiology plate reading System from Giles Scientific	Antimicrobial resistance testing of bacterial isolates using Disk diffusion and Minimum inhibitory concentration (MIC) testing with MIC strips using EUCAST and CLSI interpretive guidelines	NA	MICSOP002 MICSOP038
1018 Detection of antibody response to infection using appropriate CE marked commercial techniques - .01 Particle agglutination, using CE marked commercial systems	Particle agglutination, using CE marked commercial systems	Plasma/Serum	NA	Qualitative detection of antibodies to <i>Treponema pallidum</i> in human serum or plasma, using the Serodia-TP-PA particle agglutination test.	NA	VIR/SOP/063
		Serum	NA	Semi quantitative detection of anti-cardiolipin antibodies using the BD RPR card antigen flocculation test	NA	VIR/SOP/064
		NA	NA	Semi-quantitative detection of antistreptolysin-O antibodies, in human serum, using the Biokit rheumajet ASO Latex agglutination test	NA	VIR/SOP/053
1018 Detection of antibody response to infection using appropriate CE marked commercial techniques - .02 Enzyme immunoassay, using CE marked commercial systems	Enzyme immunoassay, using CE marked commercial systems	Plasma/Serum	Biomerieux Vidas	Qualitative detection of Hepatitis B virus Core Antibody using the Biomerieux VIDAS Anti-HBc Total II assay	NA	VIR/SOP/048
			Biomerieux Vidas	Qualitative detection of HIV p24 antigen, HIV-1	NA	VIR/SOP/050

				antibody and HIV-2 antibody in human serum and plasma		
			Plate reader and washer	Qualitative detection of IgM antibody to Mumps virus using the Microimmune Mumps IgM capture EIA assay	NA	VIR/SOP/016
		Serum	Biomerieux Vidas	Qualitative detection of Hepatitis C antibody using the Biomerieux VIDAS	NA	VIR/SOP/091
1018 Detection of antibody response to infection using appropriate CE marked commercial techniques - .05 Immunochromatographic methods, using CE marked commercial systems	Lateral flow immunoassay		N/A	Immy Cryptococcal antigen lateral flow assay for the detection of cryptococcal antigen in serum samples.	N/A	VIR/SOP/098
1018 Detection of antibody response to infection using appropriate CE marked commercial techniques - .07 Chemiluminescent microparticle immunoassay, using CE marked commercial systems	Chemiluminescent microparticle immunoassay, using CE marked commercial systems	Plasma/Serum	Abbott Architect i1000sr	Qualitative detection of antibody to Hepatitis Be virus in human serum and plasma using the Abbott Architect Anti HBe assay	NA	VIR/SOP/054
			Abbott Architect i1000sr	Qualitative detection of Hepatitis B core IgM using the Abbott Architect anti HBc IgM assay	NA	VIR/SOP/010
			Abbott Architect i1000sr and i2000sr	Qualitative detection of antibody to Hepatitis C virus in human serum and plasma using the Abbott Architect Anti HCV assay	NA	VIR/SOP/029
			Abbott Architect i1000sr and i2000sr	Qualitative detection of antibody to Treponema pallidum, in human serum and plasma, using the Abbott Architect Syphilis TP assay	NA	VIR/SOP/033
			Abbott Architect i1000sr and i2000sr	Qualitative detection of Hepatitis B Core Antibody, in human serum and plasma, using the Abbott Architect Anti-HBc II assay	NA	VIR/SOP/034
			Abbott Architect i1000sr and i2000sr	Qualitative detection of HIV p24 antigen, HIV-1 antibody and HIV-2 antibody in human serum and plasma using	NA	VIR/SOP/027

	the Abbott Architect HIV Ag/Ab combo assay		
Abbott Architect i1000sr and i2000sr	Quantitative detection of Hepatitis B virus Surface Antibody in human serum and plasma, using the Abbott Architect Anti-HBs assay	0-1000mIU/ml	VIR/SOP/031
Abbott Architect i2000sr	Qualitative detection of Cytomegalovirus IgG antibodies in human serum and plasma, using the Abbott Architect CMV IgG assay	NA	VIR/SOP/055
Abbott Architect i2000sr	Qualitative detection of Cytomegalovirus IgM antibodies using the Abbott Architect CMV IgM assay	NA	VIR/SOP/078
Abbott Architect i2000sr	Qualitative detection of EBNA IgG antibodies, EBV VCA IgG antibodies and EBV VCA IgM antibodies using the Abbott Architect EBV Assays	NA	VIR/SOP/095
Abbott Architect i2000sr	Qualitative detection of IgG antibody to Hepatitis A virus in human serum and plasma, using the Abbott Architect HAVAb-IgG assay	NA	VIR/SOP/030a
Abbott Architect i2000sr	Qualitative detection of IgM antibody to Hepatitis A virus, in human serum and plasma using the Abbott Architect HAVAb-IgM assay	NA	VIR/SOP/030b
Abbott Architect i2000sr	Qualitative detection of Rubella virus IgM using the Abbott Architect Rubella IgM assay	NA	VIR/SOP/080
Abbott Architect i2000sr	Qualitative detection of Toxoplasma gondii IgG antibodies in human serum and plasma, using the Abbott Architect Toxoplasma IgG assay	NA	VIR/SOP/072
Abbott Architect i2000sr	Qualitative detection of Toxoplasma gondii IgM antibodies, using the Abbott Architect Toxoplasma IgM assay	NA	VIR/SOP/079
Abbott Architect i2000sr	Quantitative detection of Rubella virus IgG using the Abbott Architect Rubella IgG assay	0 -500 IU/ml	VIR/SOP/032

			Architect i1000sr	Qualitative detection of Hepatitis Be Antigen using the Abbott Architect HBeAg Assay	NA	VIR/SOP/093
		Serum	VIRCLIA	Qualitative detection of Varicella zoster IgG antibodies using the Vircell Varicella-Zoster Virclia IgG Monotest assay	NA	VIR/SOP/097
1024 Preservation of microbial cultures	Preservation of microbial cultures	Microbial cultures	Refrigerators Freezers	Preservation of microbial cultures on agar plates and slope and in Protect beads	NA	MICLP020 MICSOP024