


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>Accredited to ISO 15189:2012</p>	UK Health Security Agency, An Executive Agency of the Department of Health	
	Issue No: 003 Issue date: 17 March 2022	
	National Mycobacterial Reference Service South 61 Colindale Avenue Colindale London NW9 5EQ	Contact: Norah Easy Tel: +44 (0)20 8327 7708 E-Mail: norah.easy@phe.gov.uk Website: www.phe.gov.uk
Testing performed at the above address only		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUE AND FLUIDS	<u>Microbiology examination activities for the purposes of clinical diagnosis</u>	In-house documented procedures following current Public Health England Standards for Microbiological Investigation (SMI) in conjunction with manufacturer's instructions (where applicable)
Body fluids, tissues, respiratory samples, swabs	Isolation of acid/alcohol fast bacilli and Mycobacterium spp. of clinical significance.	Liquid culture system – BD Bactec MGIT System and in-house procedures: MYRU183 MYRU184 MYRU168
	Isolation of acid/alcohol fast bacilli and Mycobacterium spp. of clinical significance.	Manual culture methods using Lowenstein Jensen (LJ) slopes and Kirschners medium and in-house procedures: MYRU060 MYRU168 MYRU163
Body fluids, tissues, respiratory samples, swabs	Detection of acid/ alcohol fast bacilli (AFB).	Manual staining using Ziehl-Neelsen (Zn) and Auramine (Au) and light or fluorescence microscopy and in-house procedures: MYRU183 MYRU184 and: Olympus Microscope Model: BX41TF



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures following current Public Health England Standards for Microbiological Investigation (SMI) in conjunction with manufacturer's instructions (where applicable)
Positive culture material (primary or referred)	Characterisation and identification of Mycobacterium spp. isolates	PCR Genotyping using Hain/Beeblot analyser and Applied Biosystems GeneAmp 9700 thermocyclers and in-house procedure: MYRU059 and: in house manual phenotypic methods and in-house procedures: MYRU062 MYRU004
	Susceptibility testing of Mycobacterium spp. Isolates	In house manual phenotypic resistance ratio methods for drug susceptibility testing MYRU004 MYRU062
	Using the following drugs: Pyrazinamide Para-aminosalicylic acid Clarithromycin	
Positive culture material (primary or referred)	Susceptibility testing of Mycobacterium spp.	Liquid culture susceptibility methods using in-house procedures MYRU058 (first, second and third line susceptibilities) and: BD Bactec MGIT 960.
	Using the following drugs: Amikacin Capreomycin Kanamycin Linezolid Moxifloxacin Levofloxacin Prothionamide Isoniazid Ethambutol Rifampicin	



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u>	In-house documented procedures following current Public Health England Standards for Microbiological Investigation (SMI) in conjunction with manufacturer's instructions (where applicable)
Positive culture material (primary or referred)	Susceptibility testing of Mycobacterial spp. using the following drugs: Rapid Growing Mycobacteria (RGM) Co-trimoxazole Linezolid Ciprofloxacin Imipenem Moxifloxacin Cefepime Cefoxitin Co-amoxiclav Amikacin Ceftriaxone Doxycycline Minocycline Tigecycline Tobramycin Clarithromycin Slow Growing Mycobacteria (SGM): Ethambutol Doxycycline Streptomycin Ciprofloxacin Linezolid Amikacin Co-trimoxazole Rifampicin Moxifloxacin Isoniazid Ethionamide Rifabutin Clarithromycin	Manual broth microdilution methods using Trek Sensititre plates and manufacturer's instructions for AIM Sensititre and in-house procedures: MYRU117 Broth Microdilution for class2 rapid growers (RGM) MYRU166 Broth Microdilution for slow growers (SGM) and:



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<p>HUMAN TISSUE AND FLUIDS (cont'd)</p> <p>Positive culture material (primary or referred)</p> <p>Sequencing data</p> <p>Pulmonary samples and CSF</p> <p>Whole blood</p>	<p><u>Microbiology examination activities for the purposes of clinical diagnosis (cont'd)</u></p> <p>Mycobacterial DNA for submission for next generation sequencing</p> <p>Identification of Mycobacterial spp. and susceptibility for: Rifampicin Isoniazid</p> <p>Detection of Mycobacterium tuberculosis complex and polymorphisms in the rpoB gene for rifampicin susceptibility</p> <p>Quantification of gamma-interferon</p>	<p>In-house documented procedures following current Public Health England Standards for Microbiological Investigation (SMI) in conjunction with manufacturer's instructions (where applicable)</p> <p>Manual extraction and purification MYRU174 Samples sequenced at UKHSA CSU (UKAS 8727)</p> <p>MYRU181</p> <p>Nucleic Acid Amplification Test (PCR) using in-house procedures:</p> <p>MYRU078 Fastrack Analysis MYRU184 And: Cepheid GeneXpert using MTB/RIF assay</p> <p>Manual Interferon gamma release assay using in-house procedure:</p> <p>MYRU093 Latent Tb diagnosis using Quantiferon</p>
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