Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

10080

Accredited to ISO 15189:2022

UK Health Security Agency, An Executive Agency of the Department of Health and Social Care

Issue No: 011 **Issue date:** 27 October 2025

National Mycobacterial Reference Service South
61 Colindale Avenue
Colindale
London
NW9 5EQ

Contact: Lucy Taylor
Tel: +44 (0)20 8327 7708
E-Mail: lucy.taylor@ukhsa.gov.uk
Website: https://www.gov.uk/government/organisations/uk-health-security-agency

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	Microbiology examination activities for the purposes of clinical diagnosis	In-house documented procedures following current UK Standards for Microbiological Investigations (SMIs) in conjunction with manufacturer's instructions (where applicable)
Body fluids, tissues, respiratory samples, swabs	Isolation of *Mycobacterium* spp. and other acid/alcohol fast bacilli of clinical significance	Liquid culture system – BD Bactec MGIT System and in-house procedures: MYRU183 MYRU184 MYRU265
	Isolation of *Mycobacterium* spp. and other acid/alcohol fast bacilli of clinical significance	Manual culture methods using Löwenstein-Jensen (LJ) slopes and Kirschner's medium and in-house procedures: MYRU183 MYRU184 MYRU265
Body fluids, tissues, respiratory samples, swabs	Detection of acid/alcohol fast bacilli (AAFB)	Manual staining using Ziehl-Neelsen (ZN) and Auramine (Au) and light or fluorescence microscopy and in-house procedures: MYRU183 MYRU266 and: Olympus Microscope Model: BX41TF

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUE AND FLUIDS (cont'd)	Microbiology examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures following current UK Standards for Microbiological Investigations (SMIs) in conjunction with manufacturer's instructions (where applicable)
Positive culture material (in-house or from external laboratory)	Susceptibility testing of *Mycobacterium* spp. using the following antimicrobials: Amikacin Linezolid Moxifloxacin Levofloxacin Prothionamide Isoniazid Ethambutol Rifampicin	Liquid culture susceptibility methods using in-house procedures MYRU058 (first-, second- and third-line susceptibilities) and: BD BacTec MGIT 960

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUE AND FLUIDS (cont'd)	Microbiology examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures following current UK Standards for Microbiological Investigations (SMIs) in conjunction with manufacturer's instructions (where applicable)
Positive culture material (in-house or from external laboratory)	Susceptibility testing of *Mycobacterium* spp. using the following antimicrobials:	Manual broth microdilution methods using Trek Sensititre plates and manufacturer's instructions for AIM Sensititre and in-house procedures:
	Rapid Growing Mycobacteria (RGM): Co-trimoxazole Linezolid Ciprofloxacin Imipenem Moxifloxacin Cefepime Cefoxitin Co-amoxiclav Amikacin Ceftriaxone Doxycycline Minocycline Tigecycline Tobramycin Clarithromycin	MYRU117 Broth Microdilution for class2 rapid growers (RGM)
	Slow Growing Mycobacteria (SGM): Ethambutol Doxycycline Streptomycin Ciprofloxacin Linezolid Amikacin Co-trimoxazole Rifampicin Moxifloxacin Isoniazid Ethionamide Rifabutin Clarithromycin	MYRU166 Broth Microdilution for slow growers (SGM) and:

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUE AND FLUIDS (cont'd)	Microbiology examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures following current UK Standards for Microbiological Investigations (SMIs) in conjunction with manufacturer's instructions (where applicable)
Positive culture material (in-house or from external laboratory)	Mycobacterial DNA for submission for next generation sequencing	Manual extraction and purification MYRU174 Samples sequenced at UKHSA CSL (UKAS 8727) and bioinformatic analysis at UKHSA BiX (17042) using TB Compass
Analysed sequencing data from UKHSA BiX (UKAS 10742)	Identification of *Mycobacterium* spp.	MYRU181
Sequencing data from UKHSA CSL (UKAS 8727)	Identification of *Mycobacterium tuberculosis* and susceptibility for: Rifampicin Isonaizid	MYRU181
Pulmonary samples and CSF	Detection of *Mycobacterium tuberculosis* complex and polymorphisms in the rpoB gene for rifampicin susceptibility	Nucleic Acid Amplification Test (PCR) using in-house procedures: MYRU078 Fastrack Analysis MYRU184 And: Cepheid GeneXpert using MTB/RIF assay
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