


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

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|  Accredited to ISO 15189:2022 | UK Health Security Agency, An Executive Agency of the Department of Health and Social Care | |
| | Issue No: 009 Issue date: 14 May 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 | <u>Microbiology examination activities for the purposes of clinical diagnosis</u> | In-house documented procedures following current UK Standards for Microbiological Investigations (SMLs) in conjunction with manufacturer's instructions (where applicable) |
| Body fluids, tissues, respiratory samples, swabs | Isolation of <i>Mycobacterium</i> spp. and other acid/alcohol fast bacilli of clinical significance | Liquid culture system – BD Bactec MGIT System and in-house procedures: MYRU183 MYRU184 MYRU168 |
| | Isolation of <i>Mycobacterium</i> 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: MYRU060 MYRU168 MYRU163 |
| 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 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 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 <i>Mycobacterium</i> 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 |



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| HUMAN TISSUE AND FLUIDS (cont'd) | <u>Microbiology examination activities for the purposes of clinical diagnosis</u> (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) | <p>Susceptibility testing of <i>Mycobacterium</i> spp. using the following antimicrobials:</p> <p>Rapid Growing Mycobacteria (RGM): Co-trimoxazole Linezolid Ciprofloxacin Imipenem Moxifloxacin Cefepime Cefoxitin Co-amoxiclav Amikacin Ceftriaxone Doxycycline Minocycline Tigecycline Tobramycin Clarithromycin</p> <p>Slow Growing Mycobacteria (SGM): Ethambutol Doxycycline Streptomycin Ciprofloxacin Linezolid Amikacin Co-trimoxazole Rifampicin Moxifloxacin Isoniazid Ethionamide Rifabutin Clarithromycin</p> | <p>Manual broth microdilution methods using Trek Sensititre plates and manufacturer's instructions for AIM Sensititre and in-house procedures:</p> <p>MYRU117 Broth Microdilution for class2 rapid growers (RGM)</p> <p>MYRU166 Broth Microdilution for slow growers (SGM) and:</p> |



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| HUMAN TISSUE AND FLUIDS (cont'd) | <u>Microbiology examination activities for the purposes of clinical diagnosis</u> (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 CSU (UKAS 8727) |
| Sequencing data from UKHSA CSU (UKAS 8727) | Identification of <i>Mycobacterium</i> spp. and susceptibility for: Rifampicin Isoniazid | MYRU181 |
| Pulmonary samples and CSF | Detection of <i>Mycobacterium tuberculosis</i> 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 |
| END | | |