

National Health Laboratory Service
Academic Affairs Research and Quality Assurance
Private Bag X4
Sandringham
2131
South Africa

Telephone: +27 (0) 11 555 0563

Fax number: +27 (0) 86 225 2458

MYCOBACTERIOLOGY CULTURE NHLS PROFICIENCY TESTING SCHEME

PARTICIPANTS RESPONSE

Please make sure all the following details are completed, submission without a laboratory code will not be evaluated if you are unsure, please request your laboratory code via tbpts@nhls.ac.za

| Survey No: | 02 - 2022 | Closing Date: | 04 Nov 2022 |
|--|--|--|---|
| Shipment Date: | 05 – 08 Sep 2022 | <i>Receipt</i> Date of PT Samples: | |
| Laboratory Code: | | Submission Date Response: | |
| | | Laboratory telephone number: | |
| SAMPLE | CLINICAL DETAIL | RESULT | METHOD USED |
| Mycobacteriology SAMPLE 1 | <i>Child at nursery centre with persistent cough for more than 4 weeks</i> Prepare a 0.5 McFarland of the isolate and process using the decontamination method, report the time to positivity and perform identification and susceptibility. | <p>Culture: Negative <input type="checkbox"/></p> <p style="padding-left: 40px;">Positive <input type="checkbox"/> Time to positivity :</p> <p>Ziehl Neelson (ZN) Stain Results: Cords<input type="checkbox"/> Loose AFB<input type="checkbox"/> No AFB <input type="checkbox"/></p> <p>Identification: MTB Complex Antigen test result: Positive<input type="checkbox"/> Negative<input type="checkbox"/></p> <p style="padding-left: 40px;">Not routinely performed<input type="checkbox"/></p> <p>Final Identification: _____</p> <p>Susceptibility testing not routinely performed : <input type="checkbox"/></p> <p>Susceptibility testing performed : <input type="checkbox"/></p> <p>Streptomycin : Resistant <input type="checkbox"/> Sensitive <input type="checkbox"/> Not routinely tested <input type="checkbox"/></p> <p>Isoniazid : Resistant <input type="checkbox"/> Sensitive <input type="checkbox"/> Not routinely tested <input type="checkbox"/></p> <p>Rifampicin : Resistant <input type="checkbox"/> Sensitive <input type="checkbox"/> Not routinely tested <input type="checkbox"/></p> <p>Ethambutol : Resistant <input type="checkbox"/> Sensitive <input type="checkbox"/> Not routinely tested <input type="checkbox"/></p> | <p>Culture:</p> <p>MTB Complex Antigen Test:</p> <p>Identification:</p> <p>Susceptibility Testing:</p> |

LABORATORY CODE:

MYCOBACTERIOLOGY CULTURE SAMPLE 2

Survey: 0222

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| SAMPLE | CLINICAL DETAIL | RESULT | METHOD USED |
|--|--|--|---|
| Mycobacteriology CULTURE SAMPLE 2 | <i>Emaciated patient with persistent cough for more than 4 weeks</i> Prepare a 0.5 McFarland suspension of the isolate and process using the decontamination method, report the time to positivity, perform identification and susceptibility. | Culture: Negative <input type="checkbox"/> Positive <input type="checkbox"/> Time to positivity : Ziehl Neelson (ZN) Stain Results: Cords <input type="checkbox"/> Loose AFB <input type="checkbox"/> No AFB <input type="checkbox"/> Identification: MTB Complex Antigen test result: Positive <input type="checkbox"/> Negative <input type="checkbox"/> Not routinely performed <input type="checkbox"/> Final Identification: _____ Susceptibility testing not routinely performed : <input type="checkbox"/> Susceptibility testing performed : <input type="checkbox"/> Streptomycin : Resistant <input type="checkbox"/> Sensitive <input type="checkbox"/> Not routinely tested <input type="checkbox"/> Isoniazid : Resistant <input type="checkbox"/> Sensitive <input type="checkbox"/> Not routinely tested <input type="checkbox"/> Rifampicin : Resistant <input type="checkbox"/> Sensitive <input type="checkbox"/> Not routinely tested <input type="checkbox"/> Ethambutol : Resistant <input type="checkbox"/> Sensitive <input type="checkbox"/> Not routinely tested <input type="checkbox"/> | Culture: MTB Complex Antigen Test: Identification: Susceptibility Testing: |

LABORATORY CODE:

MYCOBACTERIOLOGY CULTURE SAMPLE 3

Survey: 0222

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| SAMPLE | CLINICAL DETAIL | RESULT | METHOD USED |
|--|---|--|---|
| Mycobacteriology CULTURE SAMPLE 3 | <i>Young girl from informal settlement with chest pains and a cough for more than 3 weeks</i> Prepare a 0.5 McFarland suspension of the isolate and process using the decontamination method, report the time to positivity, perform identification and susceptibility. | Culture: Negative <input type="checkbox"/> Positive <input type="checkbox"/> Time to positivity : Ziehl Neelson (ZN) Stain Results: Cords <input type="checkbox"/> Loose AFB <input type="checkbox"/> No AFB <input type="checkbox"/> Identification: MTB Complex Antigen test result: Positive <input type="checkbox"/> Negative <input type="checkbox"/> Not routinely performed <input type="checkbox"/> Final Identification: _____ Susceptibility testing not routinely performed : <input type="checkbox"/> Susceptibility testing performed : <input type="checkbox"/> Streptomycin : Resistant <input type="checkbox"/> Sensitive <input type="checkbox"/> Not routinely tested <input type="checkbox"/> Isoniazid : Resistant <input type="checkbox"/> Sensitive <input type="checkbox"/> Not routinely tested <input type="checkbox"/> Rifampicin : Resistant <input type="checkbox"/> Sensitive <input type="checkbox"/> Not routinely tested <input type="checkbox"/> Ethambutol : Resistant <input type="checkbox"/> Sensitive <input type="checkbox"/> Not routinely tested <input type="checkbox"/> | Culture: MTB Complex Antigen Test: Identification: Susceptibility Testing: |

LABORATORY CODE:

MYCOBACTERIOLOGY CULTURE SAMPLE 4

Survey: 0222

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| SAMPLE | CLINICAL DETAIL | RESULT | METHOD USED |
|--|---|--|---|
| Mycobacteriology CULTURE SAMPLE 4 | <i>Immune compromised male with bronchiectasis</i> Prepare a 0.5 McFarland suspension of the isolate and process using the decontamination method, report the time to positivity and perform identification | Culture: Negative <input type="checkbox"/> Positive <input type="checkbox"/> Time to positivity : Ziehl Neelson (ZN) Stain Results: Cords <input type="checkbox"/> Loose AFB <input type="checkbox"/> No AFB <input type="checkbox"/> Identification: MTB Complex Antigen test result: Positive <input type="checkbox"/> Negative <input type="checkbox"/> Not routinely performed <input type="checkbox"/> Final Identification: _____ Susceptibility testing not routinely performed : <input type="checkbox"/> Susceptibility testing performed : <input type="checkbox"/> Streptomycin : Resistant <input type="checkbox"/> Sensitive <input type="checkbox"/> Not routinely tested <input type="checkbox"/> Isoniazid : Resistant <input type="checkbox"/> Sensitive <input type="checkbox"/> Not routinely tested <input type="checkbox"/> Rifampicin : Resistant <input type="checkbox"/> Sensitive <input type="checkbox"/> Not routinely tested <input type="checkbox"/> Ethambutol : Resistant <input type="checkbox"/> Sensitive <input type="checkbox"/> Not routinely tested <input type="checkbox"/> | Culture: MTB Complex Antigen Test: Identification: Susceptibility Testing: |

Please return the completed survey questionnaire before the closing date to **fax:** +27 (0) 86 225 2458 or **email:** tbpts@nhls.ac.za