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2131

South Africa  **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**

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| **Survey No:** | **01 - 2022** | **Closing Date:** | **30 Jun 2022** |
| **Shipment Date:** | **02 – 06 May 2022** | ***Receipt* Date of PT Samples:** |  |
| **Laboratory Code:** |  | **Submission Date Response:** |  |
|  |  | **Laboratory telephone number:** |  |

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| **SAMPLE** | **CLINICAL DETAIL** | ***RESULT*** | **METHOD USED** |
| **Mycobacteriology**  **SAMPLE 1** | ***An immune compromised patient with persistent cough.* Prepare a 0.5 McFarland of the isolate and process using the decontamination method, report the time to positivity and perform identification and susceptibility.** | **Culture**: Negative    Positive  Time to positivity :  **Ziehl Neelson (ZN) Stain Result**s: Cords Loose AFB No AFB  **Identification:** MTB Complex Antigen test result: Positive Negative  Not routinely performed  **Final Identification**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Susceptibility testing **not routinely** performed :  Susceptibility testing performed :  Streptomycin : Resistant  Sensitive  Not routinely tested  Isoniazid : Resistant  Sensitive  Not routinely tested  Rifampicin : Resistant  Sensitive  Not routinely tested  Ethambutol : Resistant  Sensitive  Not routinely tested | **Culture:**  **MTB Complex Antigen Test:**  **Identification:**  **Susceptibility Testing:** |

**LABORATORY CODE: MYCOBACTERIOLOGY CULTURE SAMPLE 2**

**Survey: 0122**

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| **SAMPLE** | **CLINICAL DETAIL** | **RESULT** | **METHOD USED** |
| **Mycobacteriology**  **CULTURE**  **SAMPLE 2** | ***Nurse at TB hospital with a cough for more than 3 weeks and associated weight loss.***  **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    Positive  Time to positivity :  **Ziehl Neelson (ZN) Stain Result**s: Cords Loose AFB No AFB  **Identification:**  MTB Complex Antigen test result: Positive Negative  Not routinely performed  **Final Identification**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Susceptibility testing **not routinely** performed :  Susceptibility testing performed :  Streptomycin : Resistant  Sensitive  Not routinely tested  Isoniazid : Resistant  Sensitive  Not routinely tested  Rifampicin : Resistant  Sensitive  Not routinely tested  Ethambutol : Resistant  Sensitive  Not routinely tested | **Culture:**  **MTB Complex Antigen Test:**  **Identification:**  **Susceptibility Testing:** |

**LABORATORY CODE: MYCOBACTERIOLOGY CULTURE SAMPLE 3**

**Survey: 0122**

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| **SAMPLE** | **CLINICAL DETAIL** | **RESULT** | **METHOD USED** |
| **Mycobacteriology**  **CULTURE**  **SAMPLE 3** | ***A teenager is admitted presenting persistent cough for more than 4 weeks associated with loss of appetite.***  **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    Positive  Time to positivity :  **Ziehl Neelson (ZN) Stain Result**s: Cords Loose AFB No AFB  **Identification:**  MTB Complex Antigen test result: Positive Negative  Not routinely performed  **Final Identification**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Susceptibility testing **not routinely** performed :  Susceptibility testing performed :  Streptomycin : Resistant  Sensitive  Not routinely tested  Isoniazid : Resistant  Sensitive  Not routinely tested  Rifampicin : Resistant  Sensitive  Not routinely tested  Ethambutol : Resistant  Sensitive  Not routinely tested | **Culture:**  **MTB Complex Antigen Test:**  **Identification:**  **Susceptibility Testing:** |

**LABORATORY CODE: MYCOBACTERIOLOGY CULTURE SAMPLE 4**

**Survey: 0122**

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| **SAMPLE** | **CLINICAL DETAIL** | **RESULT** | **METHOD USED** |
| **Mycobacteriology**    **CULTURE**  **SAMPLE 4** | ***A young female with destructive lung disease***  **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    Positive  Time to positivity :  **Ziehl Neelson (ZN) Stain Result**s: Cords Loose AFB No AFB  **Identification:**  MTB Complex Antigen test result: Positive Negative  Not routinely performed  **Final Identification**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Susceptibility testing **not routinely** performed :  Susceptibility testing performed :  Streptomycin : Resistant  Sensitive  Not routinely tested  Isoniazid : Resistant  Sensitive  Not routinely tested  Rifampicin : Resistant  Sensitive  Not routinely tested  Ethambutol : Resistant  Sensitive  Not routinely tested | **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](mailto:tbpts@nhls.ac.za)