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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 - 2021	Closing Date:	30 Sep 2021
		<u> </u>	30 Sep 2021
Shipment Date:	02 – 06 Aug 2021	Receipt Date of PT Samples:	
Laboratory Code:		Submission Date Response:	
		Laboratory telephone number:	
SAMPLE	CLINICAL DETAIL	RESULT	METHOD USED
Mycobacteriology	Child at nursery center with persistant cough for more	Culture: Negative	Culture:
SAMPLE 1	than 4 weeks	Positive Time to positivity :	
	Prepare a 0.5 McFarland suspension of the isolate	Ziehl Neelson (ZN) Stain Results: Cords☐ Loose AFB☐ No AFB☐	
	and process using the decontamination method,	Identification: MTB Complex Antigen test result: Positive☐ Negative☐	MTB Complex Antigen
	report the time to positivity and perform identification.	Not routinely performed□	Test:
		Final Identification:	
			Identification:
		Susceptibility testing not routinely performed :	
		Susceptibility testing performed :	
		Streptomycin: Resistant Sensitive Not routinely tested	Susceptibility Testing:
		Isoniazid : Resistant ☐ Sensitive ☐ Not routinely tested ☐	
		Rifampicin : Resistant ☐ Sensitive ☐ Not routinely tested ☐	
		Ethambutol : Resistant ☐ Sensitive ☐ Not routinely tested ☐	

LABORATORY CODE: MYCOBACTERIOLOGY CULTURE SAMPLE 2

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SAMPLE	CLINICAL DETAIL	RESULT	METHOD USED
Mycobacteriology	Immune compromised patient with	Culture: Negative	Culture:
	night sweats and associated weight		
CULTURE	loss	Positive Time to positivity :	
SAMPLE 2	Prepare a 0.5 McFarland suspension of the isolate and process using the decontamination method, report the	Ziehl Neelson (ZN) Stain Results: Cords☐ Loose AFB☐ No AFB☐	
	time to positivity, perform	Identification: MTB Complex Antigen test result: Positive☐ Negative☐	
	identification and susceptibility.		MTB Complex Antigen
		Not routinely performed□	Test:
		Final Identification:	
		Susceptibility testing not routinely performed :	Identification:
		Susceptibility testing performed :	
		Streptomycin: Resistant ☐ Sensitive ☐ Not routinely tested ☐	Susceptibility Testing:
		Isoniazid : Resistant ☐ Sensitive ☐ Not routinely tested ☐	
		Rifampicin : Resistant ☐ Sensitive ☐ Not routinely tested ☐	
		Ethambutol : Resistant ☐ Sensitive ☐ Not routinely tested ☐	

LABORATORY CODE:	MYCOBACTERIOLOGY CULTURE SAMPLE 3

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SAMPLE	CLINICAL DETAIL	RESULT	METHOD USED
Mycobacteriology	A teenager is admitted	Culture: Negative	Culture:
CULTURE	presenting persistent cough for more than 4 weeks associated with loss of appetite.	Positive Time to positivity :	
SAMPLE 3	Prepare a 0.5 McFarland suspension of the isolate and	Ziehl Neelson (ZN) Stain Results: Cords☐ Loose AFB☐ No AFB☐	
	process using the decontamination method, report	Identification: MTB Complex Antigen test result: Positive☐ Negative☐	MTB Complex Antigen Test:
	the time to positivity, perform identification and	Not routinely performed☐	Test.
	susceptibility.	Final Identification:	
	- Caccopinamity:		Identification:
		Susceptibility testing not routinely performed :	
		Susceptibility testing performed :	Susceptibility Testing:
		Streptomycin: Resistant ☐ Sensitive ☐ Not routinely tested ☐	
		Isoniazid : Resistant ☐ Sensitive ☐ Not routinely tested ☐	
		Rifampicin : Resistant ☐ Sensitive ☐ Not routinely tested ☐	
		Ethambutol : Resistant ☐ Sensitive ☐ Not routinely tested ☐	

LABORATORY CODE:	MYCOBACTERIOLOGY CULTURE SAMPLE 4

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SAMPLE	CLINICAL DETAIL	RESULT	METHOD USED
Mycobacteriology	An old woman suffering from	Culture: Negative	Culture:
CULTURE	fever and general fatigue. Prepare a 0.5 McFarland	Positive Time to positivity :	
SAMPLE 4	suspension of the isolate and process using the decontamination method, report	Ziehl Neelson (ZN) Stain Results: Cords☐ Loose AFB☐ No AFB☐	
	the time to positivity and perform identification	Identification: MTB Complex Antigen test result: Positive☐ Negative☐	MTB Complex
		Not routinely performed□	Antigen Test:
		Final Identification:	
		Susceptibility testing not routinely performed :	Identification:
		Susceptibility testing performed :	
		Streptomycin: Resistant ☐ Sensitive ☐ Not routinely tested ☐	Susceptibility Testing:
		Isoniazid : Resistant ☐ Sensitive ☐ Not routinely tested ☐	
		Rifampicin : Resistant ☐ Sensitive ☐ Not routinely tested ☐	
		Ethambutol : Resistant ☐ Sensitive ☐ Not routinely tested ☐	

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