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

South Africa

Fax number: +27 (0) 86 225 2458

**Telephone:** +27 (0) 11 555 0563

## 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	Receipt Date of PT Samples:	
Laboratory Code:		Submission Date Response:	
		Laboratory telephone number:	
SAMPLE	CLINICAL DETAIL	RESULT	METHOD USED
Mycobacteriology	Child at nursery centre with persistent cough for more	Culture: Negative	Culture:
SAMPLE 1	than 4 weeks Prepare a 0.5 McFarland	Positive  Time to positivity :	
	of the isolate and process	Ziehl Neelson (ZN) Stain Results: Cords☐ Loose AFB☐ No AFB☐	
	using the decontamination method, report the time to	Identification: MTB Complex Antigen test result: Positive☐ Negative☐	MTB Complex Antigen
	positivity and perform identification and	Not routinely performed□	Test:
	susceptibility.	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
LABORATORT CODE.	WITCODACTERIOLOGI COLTORE SAIVIPLE 2

**Survey: 0222** 

## PAGE 2 of 4

SAMPLE	CLINICAL DETAIL	RESULT	METHOD USED
Mycobacteriology	Emaciated patient with persistent cough	Culture: Negative	Culture:
CULTURE	for more than 4 weeks  Prepare a 0.5 McFarland suspension of the isolate and process using the	Positive  Time to positivity :	
SAMPLE 2	decontamination method, report the time to positivity, perform	Ziehl Neelson (ZN) Stain Results: Cords☐ Loose AFB☐ No AFB☐	
	identification and susceptibility.	Identification: MTB Complex Antigen test result: Positive Negative Negativ	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 ☐	

Survey: 0222

## PAGE 3 of 4

SAMPLE	CLINICAL DETAIL	RESULT	METHOD USED
Mycobacteriology	Young girl from informal settlement with chest pains and a cough for	Culture: Negative	Culture:
CULTURE	more than 3 weeks Prepare a 0.5 McFarland	Positive  Time to positivity :	
SAMPLE 3	suspension of the isolate and process using the	Ziehl Neelson (ZN) Stain Results: Cords☐ Loose AFB☐ No AFB☐	
	decontamination method, report the time to positivity, perform	Identification: MTB Complex Antigen test result: Positive	MTB Complex Antigen Test:
	identification and	Not routinely performed☐	1001.
	susceptibility.	Final Identification:	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
LABORATORY CODE:	WITCOBACTERIOLOGY CULTURE SAIVIPLE 4

**Survey: 0222** 

## PAGE 4 of 4

SAMPLE	CLINICAL DETAIL	RESULT	METHOD USED
Mycobacteriology	Immune compromised male with	Culture: Negative	Culture:
CULTURE	bronchiectasis Prepare a 0.5 McFarland suspension of the isolate and	Positive  Time to positivity :	
SAMPLE 4	process using the decontamination method, report	Ziehl Neelson (ZN) Stain Results: Cords☐ Loose AFB☐ No AFB☐	
	the time to positivity and	Identification: MTB Complex Antigen test result: Positive☐ Negative☐	MTB Complex
	perform identification	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>