

MYCOBACTERIUM TUBERCULOSIS WHOLE GENOME SEQUENCING REPORT

NOT FOR DIAGNOSTIC USE

PICTURE HERE

Patient Name	DOUGLAS JONES	Patient ID	12345678
Birth Date	1890-01-01	Location	OXFORD
Sample Type	SPUTUM	Sample Date	1916-12-25
Reporting Lab	OXFORD	Report Date	1917-01-03

Summary

No words needed

Organism

The specimen was positive for **Mycobacterium tuberculosis**

Drug Susceptibility

Drug susceptibility is predicted by the detection of known *M. tuberculosis* drug resistance conferring genetic mutations

- ☐ No drug resistance predicted
- ☐ Mono-resistance predicted
- ☒ Multi-drug resistance predicted
- ☐ Extensive drug resistance predicted

Drug class	Prediction	Drug	Resistance Gene (Amino Acid Mutation)
First Line	Sensitive	Ethambutol	No resistance mutation detected
		Pyrazinimide	No resistance mutation detected
	Resistant	Isoniazid	katG (S315T)
		Rifampin	rpoB (S531L)
Second Line	Sensitive	Streptomycin	No resistance mutation detected
		Ciprofloxacin	No resistance mutation detected
		Ofloxacin	No resistance mutation detected
		Moxifloacin	No resistance mutation detected
		Amikacin	No resistance mutation detected
		Kanamycin	No resistance mutation detected
		Capreomycin	No resistance mutation detected

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Cluster Detection

This is some text that will support stuff if the cluster detection.