

GILEAD MEDICAL AND DENTAL CENTRE LABORATORY

MEDICAL SCREENING REPORT

Patient Name: ESTHER AFUA HANSON

Operator: GENEXPERT

Sample ID:

Age: 62

Gender: F

Running Date: 20/02/2018

SPECIMEN Type: SPUTUM

GENEXPERT MTB/RIF RESISTANCE

TEST PRINCIPLE: SEMI-NESTED REAL TIME PCR

EQUIPMENT : GENEXPERT (CEPHEID)

MICRO ORGANISM	RESULT
Mycobacterium tuberculosis	NOT-DETECTED
Rifampicin Resistance	-

- GeneXpert MTB/RIF is a rapid automated molecular test for diagnosis of Mycobacterium tuberculosis (MTB) and resistance to rifampicin (RIF) in clinical specimen
- It targets rpoB gene (hotspot region) which is critical for identifying Rifampicin resistance.
- MDR TB is defined as TB due to Mtb complex, resistant to both isoniazid and Rifampicin. Rifampicin acts as a surrogate marker for MDR TB as 90% of rifampicin strains are isoniazid resistant.

electronically signed by BIOMEDICAL SCIENTIST.