AIM

To compare rapid methods, direct MODS assay and direct TTC assay, with conventional indirect proportion method for INH and RIF drug susceptibility testing directly from the Ziehl-Neelsen smear positive sputum samples.
OBJECTIVES

1. To develop direct TTC assay for the susceptibility testing of INH and RIF against M. tuberculosis directly from the Ziehl-Neelsen smear positive sputum specimens.

2. To compare the sensitivity and specificity of direct TTC assay and direct MODS assay (for INH and RIF drug susceptibility testing) with indirect proportion method (using LJ media) directly from Ziehl-Neelsen smear positive sputum specimens.

3. To determine the turnaround time (TAM) of direct TTC assay, direct MODS assay with the indirect proportion method.

4. To compare the cost effectiveness of direct TTC assay and direct MODS assay with indirect proportion method.

5. To evaluate the cross contamination rate of the direct TTC assay and Direct MODS assay with indirect proportion method.