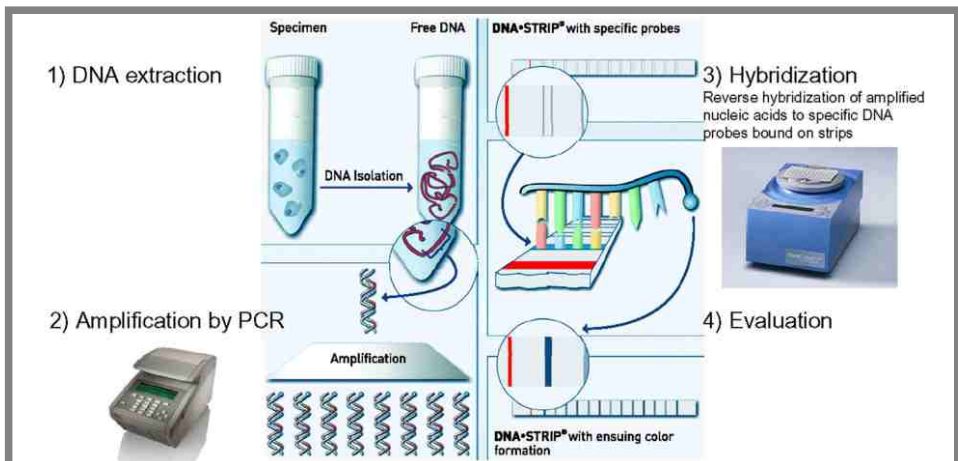


TRANSFORMING THE DIAGNOSIS OF TUBERCULOSIS

Conventional
Culture



Line
Probe
Assay



AFB-Identification & MDR screen by Molecular Genotyping (Hain's Test)

Report in 24 hours, with a Sensitivity and Specificity
comparable to conventional culture*

* Supported by

1. Published evidence

Expert Rev. Resp. Med. 2(5), 583-588 (2008)

Genotype MTBDR assays had excellent accuracy for Rifampicin resistance, while specificity was excellent for Isoniazid, sensitivity estimates were modest and variable (even when used on clinical specimens)

2. Metropolis Study

Results from 52 Direct Clinical samples

Results	Culture by Rapid Liquid Culture	Molecular Genotyping
Positive for MTB	52	52
Rifampicin Resistance	15	15
Isoniazid resistance	11	10
MDR TB	11	10

The overall accuracy of MTBDR plus and the Rapid Liquid Culture system for detecting RIF and INH susceptibility was 98.3% (76/78) and 94.8% (74/78) respectively.

AFB-Identification & MDR screen by Molecular Genotyping (Hain's Test)

In addition to being sensitive and specific, it is also endorsed by WHO

“A Globally Established, WHO endorsed test for diagnosis of TB within 24 hours”

- Mycobacterium Tuberculosis (MTB) Complex Identification
- Identification of Mono-Resistance
- Identification of MDR

Detects resistance by demonstration of mutations in

- rpoB gene : Rifampicin resistance
- katG gene : high level Isoniazid resistance
- inh A gene : low level Isoniazid resistance

