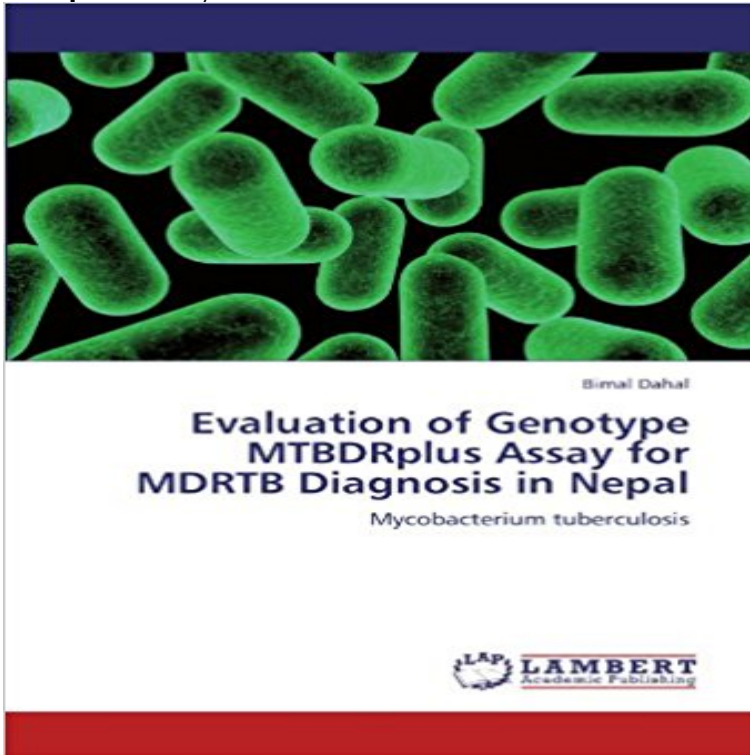


# Evaluation of Genotype MTBDRplus Assay for MDRTB Diagnosis in Nepal: Mycobacterium tuberculosis



Multidrug-resistant (MDR) strains are serious threats to the control of tuberculosis and comprise an increasing public health problem. The worldwide increase in multidrug-resistant (MDR) tuberculosis has made the timely identification of resistant *M. tuberculosis* complex (MTBC) strains extremely important to achieve effective disease management. This study was performed with an objective to compare culture based proportion method with Genotype MTBDRplus reverse hybridization probe assay for identifying MDR-TB strains from suspected multi drug resistant cases, referred to GENETUP Kathmandu, Nepal. A commercially available new Genotype MTBDRplus assay (Hain Lifescience, GmbH, Nehern, Germany) was evaluated for its ability to detect mutations in Mycobacterial isolates conferring resistance to rifampin (RMP) and isoniazid (INH). MTBDRplus assay was designed to detect the mutations in the regulatory region of *inhA*.

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Method. We first screened 113 Mycobacterium tuberculosis isolates by indirect **PubMed Result - NCBI** Jun 9, 2012  
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