

# Performance of the BDProbeTec ET assay for identification of Mycobacterium tuberculosis from clinical isolates

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摘要

## Abstract

To assess the performance of the BDProbeTec assay in the identification of *Mycobacterium tuberculosis*, 60 cultures of *Mycobacterium* from respiratory specimens were tested with *M. tuberculosis* complex probes. Using conventional biochemical tests, 30 of them were determined to be *M. tuberculosis* and 30 nontuberculous mycobacteria (NTM) (13 *M. avium* complex, 7 *M. abscessus*, 2 *M. fortuitum*, 2 *M. kansasii*, 2 *M. phlei*, 2 *M. terrae*, 1 *M. simiae*, and 1 *M. vaccae*). The BDProbeTec detected 100% (30) of the *M. tuberculosis* isolates, while 96.7% (29) of the NTM isolates tested negative. Only 1 NTM isolate, which was *M. phlei*, showed a positive result. The sensitivity, specificity, positive predictive value, and negative predictive value were 100%, 96.7%, 96.7%, and 100%, respectively. We conclude that the BDProbeTec ET system is a robust assay for the identification of *M. tuberculosis* from mycobacterium cultures. Determining the reliability of the BDProbeTec system for the direct detection of *M. tuberculosis* in respiratory specimens requires further study. (*Thorac Med* 2002; 17: 232-237)