



**RealAccurate™** | Product Datasheet

*Mycobacterium tuberculosis* PCR kit



## Products

### RealAccurate™

Mycobacterium tuberculosis PCR kit

**Catalog No.** PF0020-R (60 assays)


**Catalog No.** PF0120-R (500 assays)



### Summary

The RealAccurate™ Mycobacterium tuberculosis PCR kit is a Real Time PCR test enabling detection of small amounts of Mycobacterium tuberculosis complex DNA by targeting the multicopy IS6110 insertion element. Additionally, the kit includes a competitive amplification control of a modified Mycobacterium smegmatis strain. Amplification and detection can be performed on Real Time PCR instruments able to detect fluorescence in the FAM- and in the Yakima Yellow (VIC) channels.

### Features & Benefits

- Validated on > 14.000 clinical samples
- Contains a competitive internal amplification control
- Diagnosis within 2 hours
- Validated on QCMD panels
- **CE**  marked

### Procedure

The RealAccurate™ Mycobacterium tuberculosis PCR Kit is a ready to use set of optimized reagents containing primers and a FAM-labeled probe for the detection of members of the Mycobacterium tuberculosis complex (M. tuberculosis, bovis, microti, africanum and canetti) as well as a Yakima Yellow-labeled probe to detect a modified IS6110 element in the Mycobacterium smegmatis internal control DNA. Enzymes are not provided.

### Internal Control

An internal control consisting of Mycobacterium smegmatis DNA containing a modified IS6110 fragment is present in the M. tuberculosis reagent. This internal control is included in the reagent to check for PCR inhibition.

### Detection

Amplification and detection can be performed on Real Time PCR instruments able to detect fluorescence in the FAM- and in the Yakima Yellow (VIC) channels.

### Reference

Savelkoul et al, J. Microbiological Methods, 66, 177-180 (2006)

### Clinical Specimens

- Sputa
- Bronchoalveolar lavage (BAL)



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