



✓ DESCRIPTION

EliGene® MTB Isolation Kit is intended for the isolation of **bacterial DNA** from clinical material (sputum, decontaminated sputum, cultures, BAL, exudates, urine, swabs). **EliGene® MTB Isolation Kit** is designed to avoid the problems with PCR inhibitors and low yields of DNA. The total time of the isolation process is about 2 hours, including two incubations each for 30 minutes. The kit contains all components necessary for the DNA isolation including microtubes. No addition of ethanol or other chemicals is needed.

EliGene® MTB Isolation Supplement is intended for DNA isolation from *M. tuberculosis* and eventually further microorganisms (G+) from **sputum** or **cultures** by using Maxwell®* 16 FFPE Tissue LEV DNA Purification Kit (Promega).

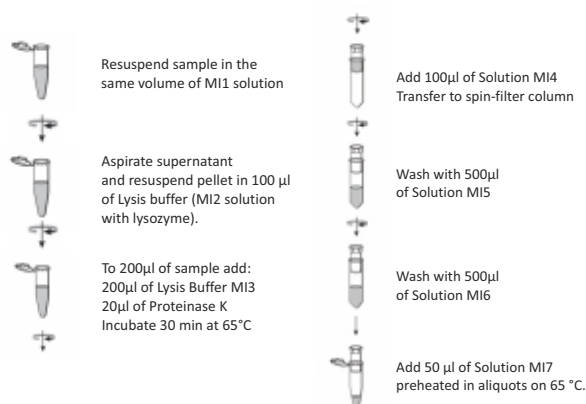
✓ PERFORMANCE STUDY

559 clinical specimens were analysed, of which 518 were blind specimens from the Prague region and 41 MTB positive specimens verified by cultivation from Brno region. The isolation kit showed 100% sensitivity in the isolation of DNA from clinical decontaminated material which means that this procedure for isolation of MTB DNA gave a sufficient amount of MTB DNA for the next DNA diagnostic method in all cases. The effectiveness of these isolation procedures is 95.34% which means that from total amount of isolated specimens 95.34% of specimens were without inhibition.

✓ ADVANTAGES

- ✗ Rapid process of DNA isolation from clinical material
- ✗ High quality isolated DNA suitable for any downstream application (PCR, qPCR, restriction digest)
- ✗ Complete package - all required components included in the kit

✓ EASY PROTOCOL



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