Viga MTB Molecular Diagnostic Kit

Store at-20 to -25°C

In darkness

100 rxn

Cat No: MD003054

25 rxn

Cat No: MD003057

By ROJE

Edition, 02/2022

Kit Content

Kit content	25 Preps	100 Preps
Pro MTB Mix	250µl	1000µl
Q-ROMAX, 4X	125µl	500µl
MTB Positive Control	40µl	150µl
RT-PCR Grade Water	40µl	150µl

Recommended Starting Material

Before starting the procedure, please study all safety guidelines in connection with the sample of MTB on this site https://www.cdc.gov/coronavirus/2019-nCoV/lab-biosafety-guidelines.html.

Before starting any tests, each component must be melted, vortexed, and centrifuged briefly. Avoid repeated freeze-thaw cycles.

Before Start

Take out each component from the kit and place them on the bench top. Allow the reagents to equilibrate to room temperature, then briefly vortex each tube for later use.

Buffer Preparation

Table 1: preparation of components per single reaction

components	Volume
Q-ROMAX, 4X	5µl
Pro MTB Mix	10µl
Isolated DNA	5µl

Thermal Profile

Table 2: Thermal profile for PCR reaction

Stage	Temperature	Incubation Time	Cycle Numbers
Pre-Denaturation	95 °C	3 min	1
Denaturation	95 °C	10 sec	45
Annealing and acquisition on channel	60°C	40 sec	

Green and Yellow			

Protocols

Thaw all reagents thoroughly at room temperature (15–25°C). When thawed, mix all reagents (by repeatedly pipetting up and down or by pulse vortexing) and centrifuge briefly. Work quickly and keep all reagents in the cooling block.

The volume of eluted sample DNA in this test should be 5µl. Prepare PCR reaction and then perform Real Time-PCR**.**

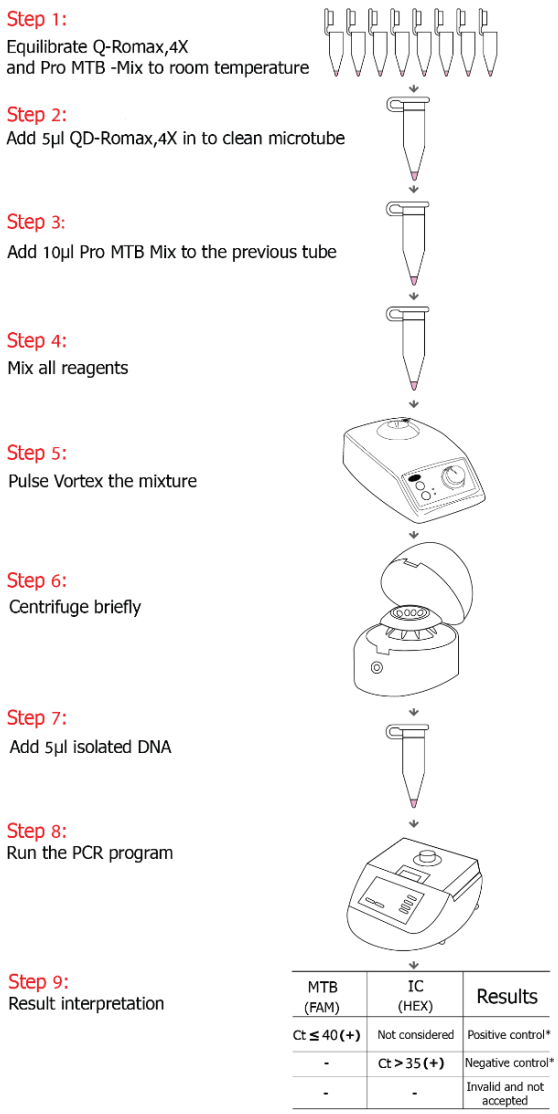

Figure 1: preparation of reagents, PCR run, and interpretation of results.