

Protocole for *Mycobacterium ulcerans* DNA detection in environmental samples using real time PCR

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Abstract

This protocole provide guidance to detect *Mycobacterium ulcerans* in environmental samples. The protocole share the DNA extraction process using the FastDNA kit for soil samples and the amplification of gene based on a validated protocole published by Fyfe which is the most protocole use to date for such analysis.

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Guidelines

DNA extraction should be performed before the PCR analysis.

The extract process should be adapted to the samples type and strictly adhere to the manufacturer recommendations.

Before start

All samples should be stored in refrigerator in +2°C to +8°C. The day of the analysis, samples must be left at the laboratory temperature (22°C to 25°C) before used.

Protocol

Warnings

Before starting all the process, the biosafety rules and the good laboratoty practices should strictly

observed.

As the mycobacteria is skin infection, always wear laboratory coat and gloves.