



DYS  
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Product Guide

# Product Guide

## Overview

ODYSSEE is a rapid and reliable test for early diagnosis of Tuberculosis and several diseases in field. This test aims at identifying specific gene fragments appeared in the patient's urine. It includes two simple steps; amplification and cell-free transcription/translation. The results will be indicated as a color change from yellow to red and available in a few hours.

## Test Components & Storage

Below, you can find all test components and storage temperatures. A detailed protocol and an index card are included together with the product.

Reagents & Materials	Quantity	Storage
Reagent A (Rehydration Buffer & MgAc)	x1	Store at -20°C (freezer) Before use thaw for 2min in Room Temperature and after the use store back in -20°C
Reagent B (Nitrocefin)	x1	
Tube XA (Amplification)	x10	Room Temperature
Tube XB ( <i>In vitro</i> transcription-translation)	x10	
Pasteur Pipette	x2	
Syringe 0,5ml	x1	
Centrifuge	x1	
Heater	x1	
<b>Materials Not Included</b> Urine Collection Cup, Timer, Gloves, Biohazard Waste Bin		

\*Our product contains 10 tests. Each test is composed by Tube XA and Tube XB. "X" stands for the number of each test from 1-10 as indicated in the index card. e.g. For test no1 you will use tubes 1A & 1B

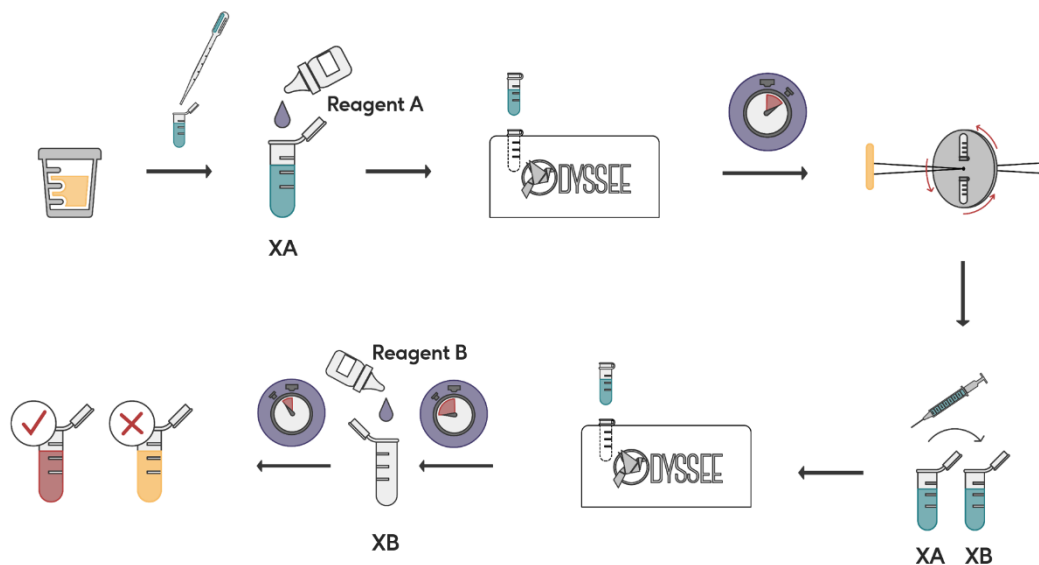
## Safety & Responsible use

ODYSSEE is completely safe to both the end-user and the environment as it is based on a cell-free system and does not require for a living organism to carry out the reactions. In addition, the biological sample

(urine) does not contain mycobacteria but only its DNA fragments and the reagents are not harmful. However, we recommend using gloves during the execution of the test and disposing Tube XA & Tube XB in a biohazard waste bin.

ODYSSEE is a triage test and not confirmatory. In such way, after its execution further examination is needed. Finally, we advise against antibiotic consumption before undertaking the test.

## Instructions Scheme



## Instructions for use

1. Collect the urine sample into a Urine Collection Cup
2. Turn on the heater (42°C)
3. Take the Pasteur pipette and transfer 1 ml of urine sample into Tube XA
4. Add one drop of Reagent A in Tube XA
5. Place tube XA in the heater and let the reaction incubate for 5 minutes
6. Use the centrifuge by putting the tube at the positions, respectively, and centrifuge until the liquid divides into two phases
7. Discard the supernatant (upper phase of the liquid) and transfer the remaining liquid with the 0,5ml syringe into the Tube XB
8. Place tube XB and let the reaction incubate for 3 hours
9. Add one drop of Reagent B in Tube XB
10. Wait for approximately 5 minutes in order to observe a change in color

- If there is no color change (yellow) then the patient has not been infected by *Mycobacterium tuberculosis*
- If you observe a color change from yellow to red, the patient is infected by *Mycobacterium tuberculosis* and you need to reach to the nearest hospital for further examination.

### Index Card

Test Number	Date	Barcode	Patient's Name
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			



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