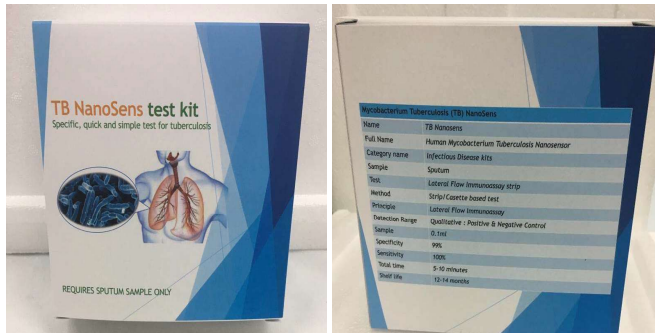


# TB NanoSense Test Kit

PI 2018701885



TB NanoSens test kit

## INTRODUCTION OF TECHNOLOGY

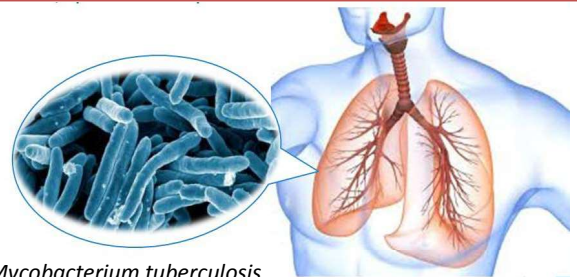
TB NanoSens test kit mainly focused on the detection of *Mycobacterium Tuberculosis*. Tuberculosis (TB) is an infectious disease caused by the bacillus *Mycobacterium tuberculosis*. TB NanoSens test kit technology have become an advance diagnostic tools in POC diagnostic strategy for detecting analytes such as blood and sputum. TB NanoSens test kit offer a rapid-response of 'positive' and 'negative' result based on naked eye visual system. Two red signal on the TB NanoSens test kit indicates positive result and one red line indicates negative TB.

## INVENTION

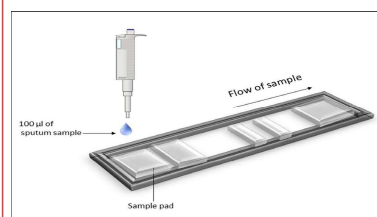
The early diagnosis of tuberculosis includes qualitative and quantitative analysis by TB NanoSens test kit to ensure accurate analysis of tuberculosis. The product is aimed at solving several important problems related to tuberculosis diagnosis. a) Reducing time consumption in detection of tuberculosis, b) User-friendly without trained personnel and c) maintaining patient history to suggest better drugs.

## ADVANTAGES

- TB NanoSens test kit only took 5-10 minutes to obtain result after the sputum sample was spotted onto the sample pad of the strips.
- TB NanoSens test kit does not require any laboratory instrument but only require one step method for obtaining the result.
- The NanoSens test kit is affordable and the production cost is low.
- This innovation give a lot of advantages especially in healthcare sectors

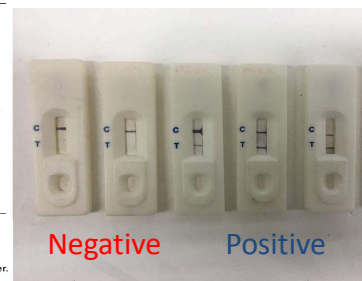


*Mycobacterium tuberculosis*



### Procedure:

- Sputum sample :
- Dilute the 20µl sputum to a final concentration of 100µl in lysis buffer.
  - Drop the 100µl sample onto the sample pad of the strip.
  - Wait for 5-10 minutes for the result.
  - A red line will appear at test line and control line for positive TB.



## MARKET POTENTIAL

TB NanoSens test kit is suitable in healthcare industry.

### Consumer/End User

- Hospitals
- Clinics
- Laboratories
- Immigration
- General public (including children, adults and communities)

### Industry

Pharmacies



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