



## Factsheet LIOFeron® TB/LTBI IGRA Test

### 1- What kind of test is it?

LIOFeron® TB/LTBI is an immunological test diagnosing infection with latent tuberculosis, more scientifically called Latent Tuberculosis Infection (LTBI).

### 2- Can LIOFeron® TB/LTBI also diagnose active TB?

Yes, but this test similar to all other IGRA tests, cannot differentiate between active TB and LTBI.

### 3- Have clinical studies been done with LIOFeron® TB/LTBI?

Yes, it has been evaluated in three independent TB hospitals, many more studies are in progress.

### 4- What if the QuantiFERON TB Gold Plus and LIOFeron® TB/LTBI results are different?

In such cases, one has to consider results of further tests, such as microscopy, culture, PCR tests, skin test and clinical symptoms.

### 5- Which antigens Tube is more important for LTBI diagnosis by LIOFeron® TB/LTBI?

The tube containing ANT A proteins.

### 6- Can we use Instruments, ELISA readers of different manufacturers?

Yes, the current version of LIOFeron® TB/LTBI can be used on any open system.

### 7- Is there any software to automatically analyse the results of LIOFeron® TB/LTBI?

Yes, we have developed a STAND-ALONE SOFTWARE called LIOFERON®, which can automatically analyse the results.

### 8- Do we need additional reagents while using the LIOFeron® TB/LTBI kit?

No, all reagents and components are provided with the LIOFeron® TB/LTBI kit (Blood stimulation tubes and ELISA plates).

### 9- Can we collect blood directly in the LIOFeron® TB/LTBI kit tubes?

No, blood must be collected first in proper Li-Heparin tubes and then dispensed into the tubes provided in the LIOFeron® TB/LTBI kit according to the instructions of use.

### 10- Are the LIOFeron® TB/LTBI kit tubes, screw-cap blood stimulation tubes?

No, you have to pull the caps to open and press tightly to close the caps.

### 11- Do we need a CO<sub>2</sub> incubator?

Not necessary, but you can use one if available.

### 12- What is the reason for using IGRA tests in endemic countries, where there is a very high proportion of LTBI?

Such tests are helpful if clinical symptoms indicate active TB, since a positive result of an IGRA test shall confirm infection with MTB to a high degree.

**13- Are such IGRA tests useful for population screening with TB-prevalence in mind?**

No, such IGRA tests are not specific for active TB and hence, cannot be used for determining prevalence of active TB in a population.

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