

## LIAISON® QuantiFERON®-TB Gold Plus *Solution*

Unmatched clinical value

### INNOVATIVE CD8+ T CELLS TECHNOLOGY

LIAISON® QFT®-Plus is designed to work with QIAGEN QuantiFERON® -TB Gold Plus Blood Collection Tubes. These tubes employ innovative tuberculosis-specific antigens that elicit both CD8+ and CD4+ T cell responses – enabling a more accurate assessment of cell-mediated immune response to TB infection<sup>(1)</sup>

## CD8+ T cells

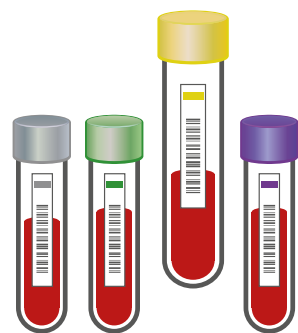
have been shown to play an important role in Mycobacterium tuberculosis immunity<sup>(2-4)</sup>. LIAISON® QFT®-Plus measures the cell-mediated immune response to tuberculosis infection from both CD4+ and CD8+ T cells.

## QFT®-Plus

has a higher sensitivity for TB detection in HIV co-infected patients who are at major risk of mortality for TB

## QuantiFERON®-TB Gold Plus Blood Collection Tubes

For orders and information contact your Qiagen representative or visit [www.qiagen.com](http://www.qiagen.com)



- Nil - Negative Control Adjusts for background IFN-γ
- TB1 - Primarily detects CD4+ T cell response
- TB2 - Optimized for detection of CD4+ and CD8+ T cell responses
- Mitogen - Positive Control Low response may indicate inability to generate IFN-γ

1. World Health Organization. (2017) Global tuberculosis report 2017. [www.who.int/tb/publications/global\\_report/en/](http://www.who.int/tb/publications/global_report/en/)  
 2. Turner, J. et al. (1996) Immunology 87, 339  
 3. Brookes, R.H. et al. (2003) Eur. J. Immunol. 33, 3293.  
 4. Stenger, S. et al. (1998) Science 282, 121.

## LIAISON® QuantiFERON®-TB Gold Plus *Solution*

Let TB testing flow...

LIAISON® QuantiFERON®-TB Gold Plus	Code 311010
Kit format	200 tests/50 patient results
Conjugate vials	2x200 test/each
Open kit stability	28 days
Conjugate reconstituted stability	14 days each vial
Calibrators reconstituted stability	28 days
Calibration stability	28 days
Time to first patient result (4 tubes)	46 min
Throughput	up to 25 patient results/hour

LIAISON® Control QuantiFERON®-TB Gold Plus	Code 311011
Kit format	2 levels x 2 vials (up to 40 runs)
Control reconstituted stability	28 days

QuantiFERON®, QuantiFERON® Plus, QFT®, QFT®-Plus and QuantiFERON®-TB Gold Plus are registered trademarks of QIAGEN  
LIAISON® is a registered trademark of DiaSorin

AVAILABLE ONLY ON **LIAISON®**



The Diagnostic Specialist

**DiaSorin S.p.A.**  
Via Crescentino  
13040 Saluggia (VC) - Italy  
Tel. +39.0161.487526  
Fax: +39.0161.487670  
[www.diasorin.com](http://www.diasorin.com)  
E-mail: [info@diasorin.it](mailto:info@diasorin.it)



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FOR OUTSIDE THE US ONLY

## Tuberculosis

# LIAISON® QuantiFERON® -TB Gold Plus *Solution*

Let TB testing flow...

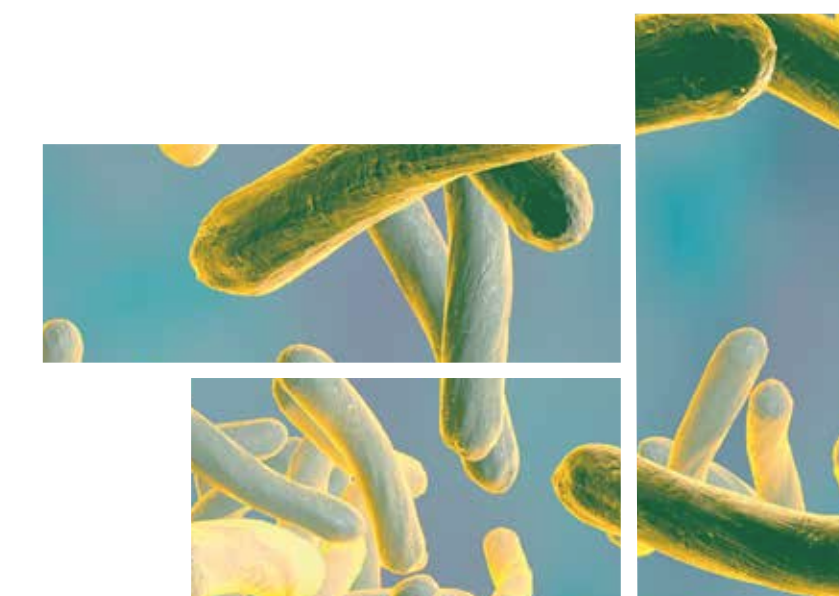


### TEST PRINCIPLE

## LIAISON® QuantiFERON®-TB Gold Plus *Solution*

A new fully automated CLIA assay to aid in the diagnosis of TB infection







- Patient samples are collected in four QuantiFERON®-TB Gold Plus (QFT®-Plus) Blood Collection Tubes (Nil, TB1, TB2 and Mitogen)
- The four samples are incubated at 37°C for 16-24 hours to stimulate the T cells of the Anti-TB immunized patient to produce interferon-gamma
- Interferon-gamma quantitation is performed on the LIAISON® XL automated chemiluminescence system
- The four individual results are combined in a single qualitative patient report to assess the immunization status versus Mycobacterium tuberculosis
- QFT®-Plus can detect both active and Latent TB infection
- Patients with positive QFT®-Plus results should be furtherly investigated and treated accordingly



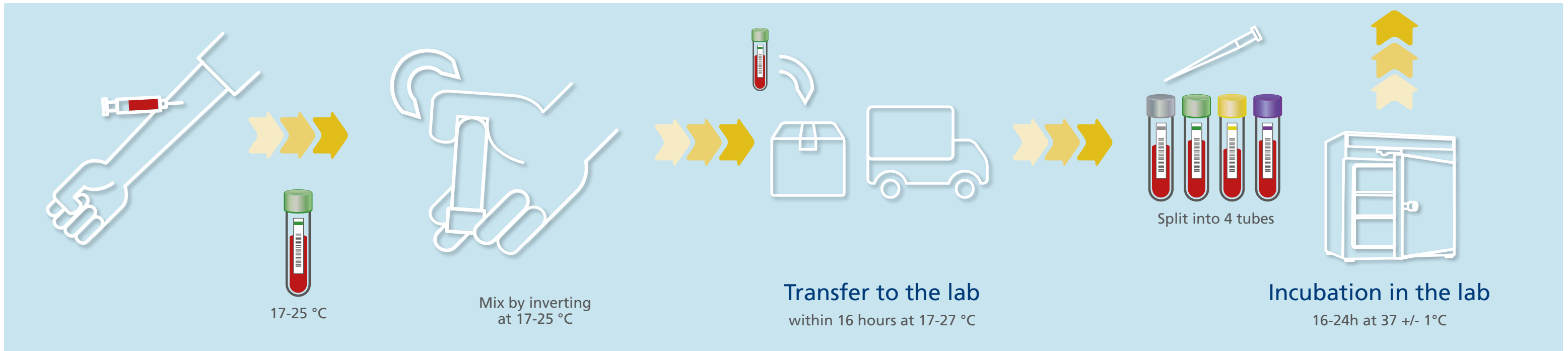
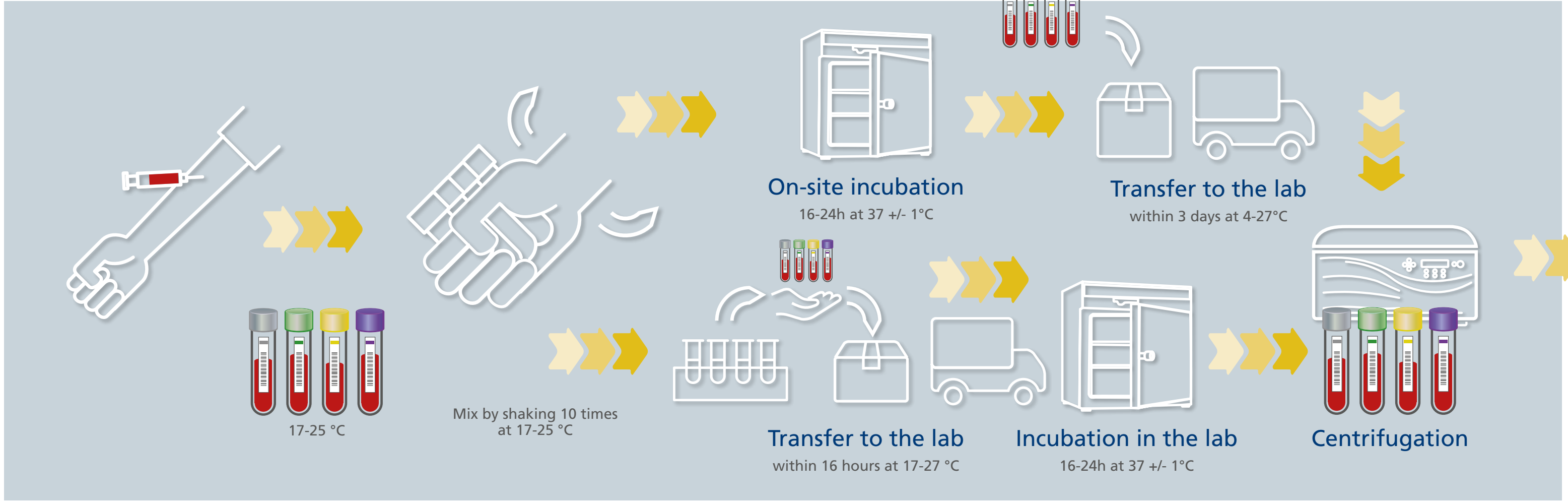
# LIAISON® QuantiFERON®-TB Gold Plus Solution

Unparalleled workflow

## COMPLETE TRACEABILITY AND MAXIMUM FLEXIBILITY

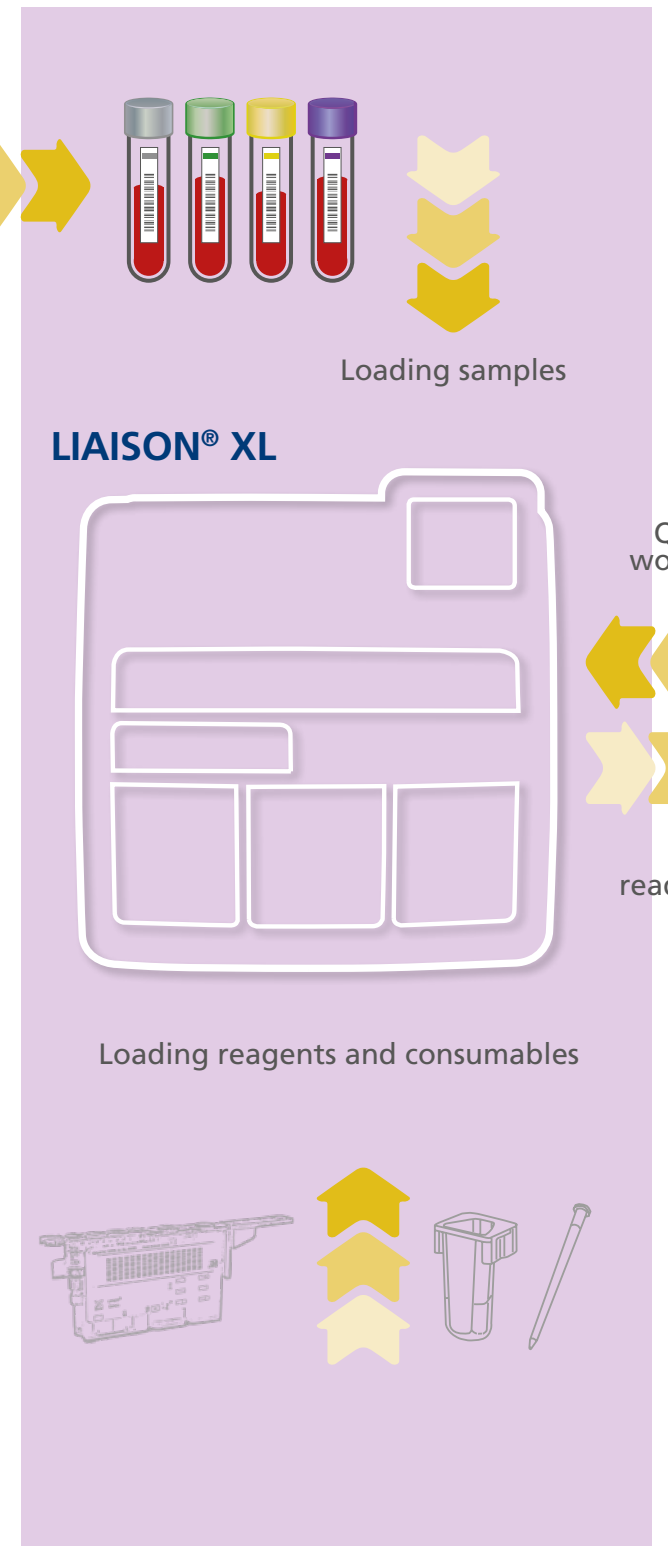
-  Primary QFT®-Plus Blood Collection Tubes can be loaded directly on the LIAISON® XL in random order
-  As an alternative solution, single Li-Hep tubes can be processed by the lab within 16 hours from collection
-  QFT®-Plus assay can be performed in random access routine in host-query mode on LIAISON® XL or LIAISON® XL LAS connected to lab automation solutions
-  Minimum hands-on time allows maximum lab convenience
-  LIAISON® QuantiFERON® software (LQS) allows check-in, barcode duplication, automatic interpretation of results, repetitions and retesting
-  Patient results are sent directly to the LIS

## DIRECT COLLECTION IN QFT-PLUS TUBES



## COLLECTION IN ONE SINGLE LI-HEP TUBE

## ANALYTICS



## RESULTS INTERPRETATION

