



Improve your onboarding process

Healthcare organizations have been adopting the Lean improvement methodology to streamline their processes and to reduce waste. Time-to-hire for healthcare personnel depends on completion of a medical clearance, which historically includes two-step tuberculin skin test (TST) baseline TB screening. An

alternate method of TB screening uses QuantiFERON®-TB Gold Plus (QFT®-Plus). QFT-Plus testing provides a leaner screening process, with less time wasted and less test variability than the TST (Figure 1 and Table 1).

Reduce onboarding timeframes from 9 days or more to only 2 or 3 days with QFT-Plus

Table 1. TST vs. QFT-Plus: observations of key screening issues

Observation	TST	QFT-Plus
New employee visits	4 visits or more	1 visit
EMR entry	Manual entry of requisition; manual entry of test results in EMR necessary	Direct entry into EMR; test results are automatically received in EMR
Testing/results variability	TST is a subjective test with high inter/intra-observer variability and a higher margin for error	QFT-Plus is an objective laboratory test with low variability
Waiting for next step in the process	8 days or more	1 to 2 days
Risk of no shows	New hires who do not return within the correct timeframe may have to reschedule placement of new TST and restart TB screening, creating additional work for EH staff and nursing staff (repeated TST placements).	Not applicable
Risk of false-positive results	86% specificity (1) 14 out of 100 are false positive and go to unnecessary X-ray follow-up	>97% specificity (2) Very few false positives

Take control of your screening program

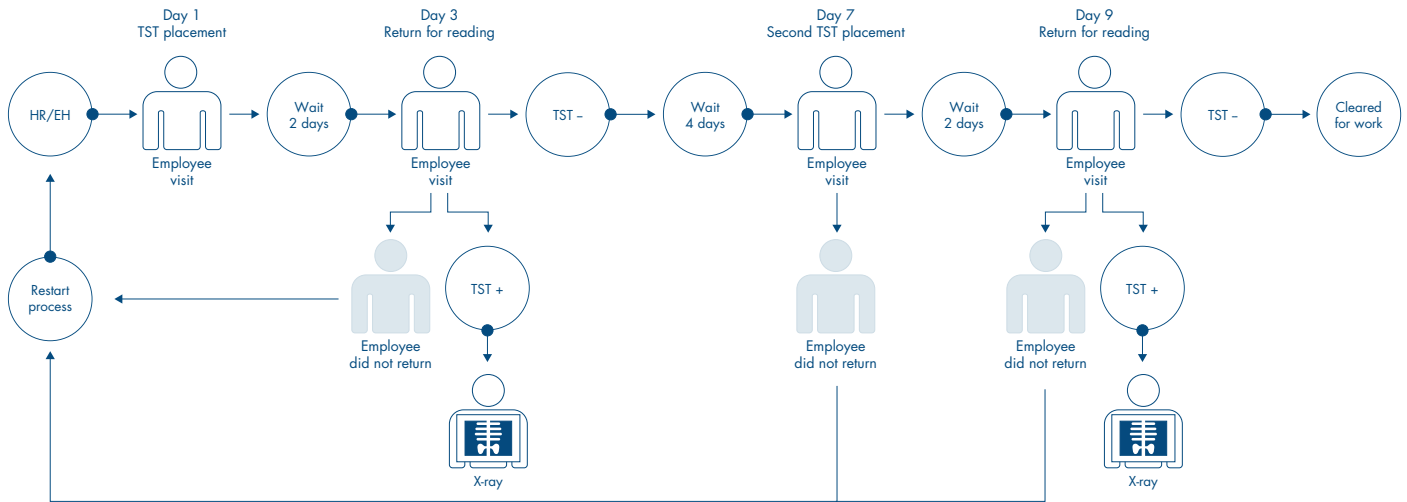
QuantiFERON-TB Gold Plus:

- Eliminates re-testing for no-shows
- Reduces overtime and temporary staffing costs
- Eliminates false-positive results from BCG vaccination and most non-tuberculosis mycobacteria

Get new hires on the job sooner with QFT-Plus.

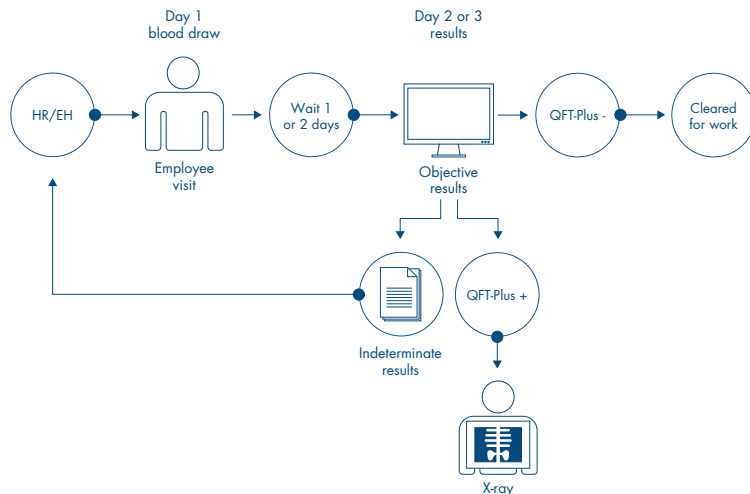


TST two-step testing



Results available on Day 9; may take longer if employee does not return for reading or if result is TST+

QFT-Plus



Results available on Day 2 or 3; may take longer if QFT-Plus result is Indeterminate or Positive

Figure 1. Onboarding new hires with QFT-Plus vs. TST two-step

testing. HR = Human Resources; EH = Employee Health; EMR = Electronic Medical Record.

Visit www.QuantiFERON.com/GetLean to learn how QFT-Plus testing can streamline your TB testing.

References:

- Centers for Disease Control and Prevention. (2010) Updated guidelines for using interferon-gamma release assays to detect *Mycobacterium tuberculosis* infection – United States. *MMWR* **59**(RR05).
- QuantiferON-TB Gold Plus (QFT-Plus) Package Insert*. 1095849 Rev. 02 August 2017.

QFT-Plus is an in vitro diagnostic aid for detection of *Mycobacterium tuberculosis* infection. QFT-Plus is an indirect test for *M. tuberculosis* infection (including disease) and is intended for use in conjunction with risk assessment, radiography, and other medical and diagnostic evaluations. QFT-Plus package inserts, up-to-date licensing information and product-specific disclaimers can be found at www.QuantiFERON.com.

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