

QuantiFERON®-TB Gold Plus Collection Instructions

There are two options for sample collection for TB Screen (QuantiFERON® Gold Plus), LAB3619

1. One tube lithium-heparin blood collection
2. Four tube blood collection

One tube lithium-heparin blood collection

Blood Collection:

1. Label the lithium-heparin tubes appropriately. **Important:** Tubes should be at room temperature (17-25°C) at the time of collection.
2. **Important:** Preferred collection tube is a 10 mL lithium-heparin (green non-gel tube). Do not substitute 6.0 or 4.0 mL. Check that you are using lithium-heparin and NOT sodium-heparin. *See image below.
3. Fill a lithium-heparin tubes tube (minimum volume 5 mL) and **gently mix** by inverting the tube several times to dissolve the heparin.

Refrigerated Storage and shipping:

1. Prior to refrigeration, blood drawn into a lithium-heparin tube must be held at room temperature (17-25°C) between 15 minutes and 3 hours after collection.
2. Ship the lithium-heparin tube to the testing laboratory refrigerated at 2-8°C.
3. Blood drawn into lithium-heparin tube may be refrigerated (2-8°C) for 16 to 48 hours prior to transfer to QFT®-Plus Collection Tubes at the testing laboratory.



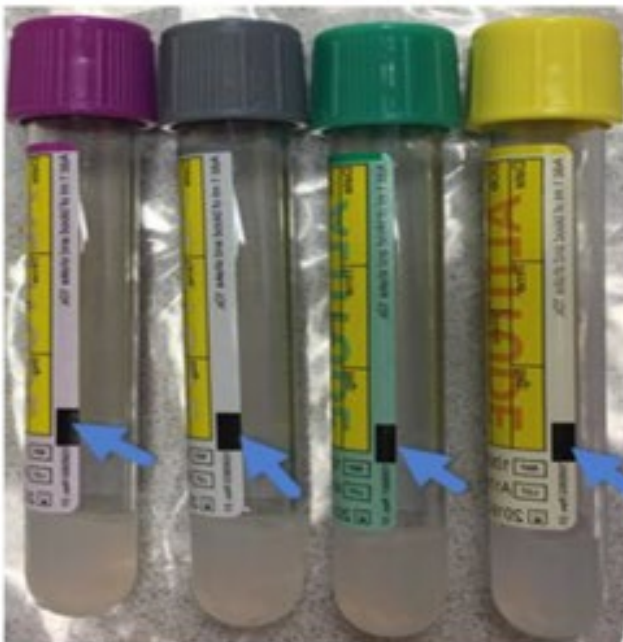
Four tube blood collection

Blood Collection:

1. Label the 4 QFT-Plus collection tubes appropriately. **Important:** Tubes should be between (17-25°C) at the time of collection.
2. Ensure each tube (Nil, TB1, TB2, and Mitogen) is identifiable by its label or other means once the cap is removed.
3. For each patient, collect 1 mL of blood by venipuncture directly into each of the QFT-Plus blood collection tubes. A trained phlebotomist should perform this procedure.
4. As 1 mL tubes draw blood relatively slowly, keep the tube on the needle for 2-3 seconds once the tube appears to have completed filling. This will ensure correct draw volume.
5. **Important:** The black mark (not dotted blue mark) on the side of the tube indicates the range of 0.8-1.2mL. If the level of blood in any tube is outside the range of the black indicator mark, obtain a new sample. Under filling or over filling will lead to erroneous results. *See image below.
6. If using a butterfly needle to collect blood, use a purge tube to ensure that the tubing is filled with blood prior to using the QFT-Plus tubes.
7. Immediately after filling tubes, **mix the four tubes 10 times from shoulder to hip** just firmly enough to ensure entire inner surface of the tube is coated with blood. This will dissolve antigens on the tube walls.

Room Temperature Storage and shipping:

1. Maintain and **transport the tubes at room temperature** ($22^{\circ}\pm 5^{\circ}\text{C}$).
2. Blood should be received into the lab as soon as possible and **no later than 16 hours after collection**.
3. Upon arrival into the laboratory tubes will be remixed and placed in 37° C incubator.



➡ Tube volume indicator