



# CPAL

Central Pennsylvania Alliance Laboratory

## QuantiFERON® –TB Gold Plus Blood Collection Instructions:



**Option 1: Collect blood directly into four specialized collection tubes:**

- Nil (Grey Top)
- TB1 Antigen (Green Top)
- TB2 Antigen (Yellow Top)
- Mitogen Control (Purple Top)

(Qiagen Product #622433)

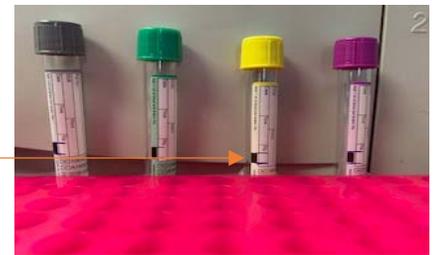
**Collect 1mL of blood by venipuncture into each tube.**

*Note: Tube temperature must be between 17- 25°C (Room Temperature) at the time of filling with blood.*

**Order of draw is: Grey, Green, Yellow, Purple.**

*Note: If using a "Butterfly needle" a purge tube must be collected prior to filling the QuantiFERON® TB Gold IT tubes to ensure tubing is filled with blood.*

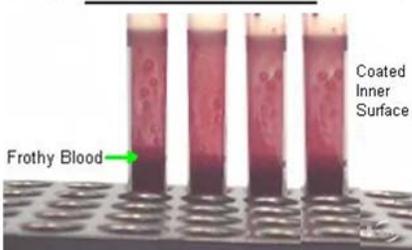
**(Fill Volume must be within black bar range on tubes):  
[0.8mL to 1.2mL]**



**\*\*\*Immediately after filling tubes, shake them 10 times just firmly enough to ensure the entire inner surface of the tube is coated with blood.**

*Note: Overly vigorous shaking may cause gel disruption and could lead to aberrant results.*

### Shaken QFT Tubes



**Transfer tubes to a 37°C ±1°C incubator as soon as possible, but within 16 hours of collection.**

*Prior to incubation, maintain tubes at room temperature. Re-mix tubes by inverting 10 times immediately prior to incubation.*

**Tubes must be incubated at 37°C±1°C for 16 to 24 hours.**

*Tubes must be incubated in an upright position.*

**Send tubes to CPAL as soon as incubation is completed.**

**Questions?**

**Call CPAL, 717-851-1416**



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### Option 2: Collect blood into Lithium-Heparin Collection Tube:

1. Label lithium-heparin tubes appropriately.
  - **Important: Tubes must be at room temperature (17–25°C) at the time of blood collection.**
  - **Record date and time of draw on the label of the tube.**
2. Fill lithium-heparin blood collection tubes **(5mL total volume required)**.
  - **Gently mix by inverting the tube several times to dissolve the heparin.**
3. Blood drawn into lithium-heparin tubes must be held at room temperature (17–25°C) between 15 minutes and 3 hours after collection.
4. Refrigerate at 2-8°C.
5. Send tubes to CPAL at 2-8°C as soon as possible (Tubes must arrive at CPAL in less than 48 hours of collection).
  - **Note: Blood drawn into lithium-heparin tube may be refrigerated (2–8°C) for 16 to 48 hours prior to transfer to QFT-Plus Blood Collection Tubes at the testing laboratory.**

Questions?  
Call CPAL, 717-851-1416