

# QuantiFERON®-TB Gold Plus — blood collection

## Option 1: Incubate at collection site

### 1. Blood collection.

Collect 1 ml blood by venipuncture into each QFT®-Plus Blood Collection Tube.

**Important: Tubes should be between 17–25°C at the time of blood filling.**

Tubes fill slowly — hold the tube on the needle for 2–3 seconds after flow ceases. If the level of blood in any tube is outside the range of the black mark on the side of the tube label, obtain another sample.

**Technical tip:** For venipuncture employing a “butterfly needle”, prime tubing with a “purge” tube (not supplied) before filling QFT-Plus blood collection tubes.

### 2. Tube shaking.

Immediately after filling, shake tubes 10 times just firmly enough to ensure that the inner surface of the tube is coated with blood (to dissolve antigens on tube walls).

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

Label tubes appropriately.

### 3. Incubation — incubate at collection site.

Blood must be incubated as soon as possible, and within 16 hours of collection. Incubate tubes **upright** at 37°C ±1°C for 16–24 hours.

- Humidity/CO<sub>2</sub> control are not required
- Incubators may be available from QIAGEN

If tubes are not incubated at 37°C ±1°C immediately after collection, remix tubes by inverting 10 times immediately prior to incubation.

### 4. Shipping.

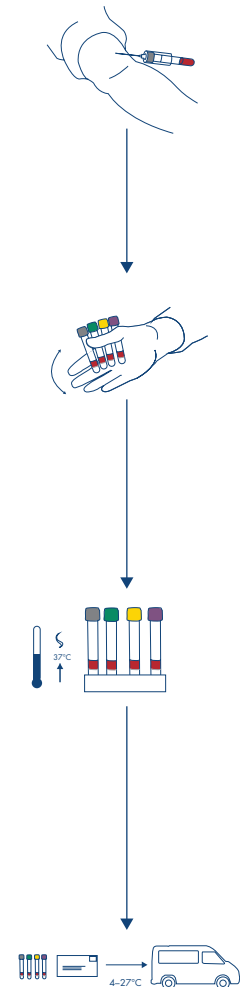
Ship incubated tubes to testing laboratory (within 3 days, if not centrifuged). Maintain tubes between 4–27°C.

**Technical tip:** Label tubes as “Incubated”.



**WARNING:** Standard blood handling precautions apply.

See reverse side for instructions if incubating tubes externally at the testing laboratory. For comprehensive instructions for use, refer to the QFT ELISA package insert, available in multiple languages, at [www.QuantiFERON.com](http://www.QuantiFERON.com).



## Option 2: Incubate at testing laboratory

### 1. Blood collection.

Collect 1 ml blood by venipuncture into each QFT-Plus Blood Collection Tube.

**Important: Tubes should be between 17–25°C at the time of blood filling.**

Tubes fill slowly — hold the tube on the needle for 2–3 seconds after flow ceases. If the level of blood in any tube is outside the range of the black mark on the side of the tube label, obtain another sample.

**Technical tip:** For venipuncture employing a “butterfly needle”, prime tubing with a “purge” tube (not supplied) before filling QFT-Plus blood collection tubes.

### 2. Tube shaking.

Immediately after filling, shake tubes 10 times just firmly enough to ensure that the inner surface of the tube is coated with blood (to dissolve antigens on tube walls).

**Important: Overly vigorous shaking may cause gel disruption and could lead to aberrant results.** Label tubes appropriately.

### 3. Shipping.

Ship tubes to testing laboratory between 17–27°C.

Blood must be incubated at 37°C ±1°C as soon as possible, and within 16 hours of collection.

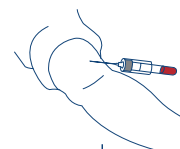
**Technical tip:** Label tubes as “Not Incubated.”

**Remix tubes by inverting 10 times immediately prior to incubation at the testing laboratory.**



See reverse side for instructions if incubating tubes at the collection site. For comprehensive instructions for use, refer to the QFT-Plus ELISA package insert, available in multiple languages, at [www.QuantiFERON.com](http://www.QuantiFERON.com).

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