**Collecting and Submitting Quantiferon-TB Gold Plus Specimens**

Wyoming Public Health Laboratory

1. WPHL performs testing based on volume, no less than once a week.
2. Store QFT tubes in a cool, dry place at room temperature, between 40-77° F.
3. **Draw 4 tubes** of blood. Try to draw in this order - 1 Gray, 1 Green, 1 Yellow, and 1 Purple top or

**GGYP – “G**ray **G**eese **Y**odel **P**olitely!**”**

* + **Tubes fill slowly to black line. *Allow each tube to stay on needle for 2-3 more seconds, after the tube appears to have completely filled***. The results could be affected if not filled.
	+ **Acceptable fill is WITHIN the width of the black line.** (Figure 1). If they appear under or over filled, draw again.
	+ If a BUTTERFLY needle is used, draw into any other vacationer tube first (discard), to “purge” air in line. Then continue with the 4 QFT tubes.
1. Immediately after filling tubes, **shake them up and down 10 times, *slowly like a handshake – with gloved index finger covering the top of the tubes.*** This should be just firmly enough to ensure the entire inner surface of the tube is coated with blood.
2. **Label** all 4 tubes with name and date collected. ***If using printed labels, DO NOT block black fill line with label.*** (Figure 2). Place **UPRIGHT** in tube rack at room temperature. DO NOT refrigerate or freeze.
3. Tubes must be **incubated within 16 hours of the draw:**

* Re-mix tubes by inverting 10 times before incubation. **Figure**

**1**

**Correct Fill Range (0. 8mL**

**to 1.2mL)**

# Place rack in 37°C incubator for 16-24 hours.

* Specimens must be **received at the lab within 3 days (72 hours) after incubation**
* **Complete entire requisition**. Include dates and times in & out of incubator, and the incubator temperatures.
1. **After incubation**, the tubes may be **centrifuged for 20 minutes at 3500RPM.** The gel plug will separate the cells from the plasma. This separation extends the time frames for **receipt at WPHL to 7-10 days** at room temperature.
2. Requisition form should be folded and placed inside the

outer sleeve of the biohazard bag. Place tubes in zip lock part of biohazard bag & into mailer.

1. **Send to**: Wyoming Public Health Laboratory 208 S. College Drive

**DO NOT**

**obscure black fill line on blood collection tube with patient label**

Cheyenne, WY 82002 **Figure 2**

# Criteria for rejection:

* Insufficient or overfilling of tubes; Incorrect shaking of tubes
* Specimen received in lab over 3 days (72 hours) after incubation
* **Incomplete “*Collection & Incubation Section*” on requisition**
* ID discrepancies; Expired tubes; Incorrect incubation

# Questions - contact Sylvia Freeman at 307-777-7431 or FAX 307-777-6422