Clinical Laboratory Test Update

QuantiFERON TB Gold PLUS

Effective August 13, 2018, the University of Colorado Hospital Clinical Laboratory will begin performing QuantiFERON TB Gold PLUS (QFT-Gold Plus) testing by Enzyme Linked Immunosorbent Assay (ELISA). The QFT-Gold Plus is replacing the QuantiFERON TB Gold test (QFG), ELISA method which is no longer supported by the manufacturer.

Please replace the 3 collection tubes for QFG with the new 4 collection tubes for QFT-Gold Plus.

There will be a one week grace period, August 13, 2018 – August 17, 2018, which the QFG orders with 3 collection tubes will be accepted. After August 17 only the QFT-Gold Plus with 4 collection tubes will be accepted for testing.

Collection tubes:

Four special QuantiFERON®-TB Gold PLUS high altitude (HA) collection tubes: Purple (Mitogen HA), Grey (Nil HA), Green (TB1 HA), Yellow (TB2 HA)

Please call lab to request tubes, 720-848-4401.

Internal ordering of QFT-Plus HA collection tubes, (25 ct), Lawson #312100.

Minimum volume: 1.0 mL blood (blue arrow) per tube

The blue arrow in the photo points to the acceptable sample volume. If blood volume falls within the black bar, volume is acceptable for testing.

Specimen Collection:

1. Expect relatively slow blood draw time: keep tube and needle in place for 2-3 seconds after tube appears to have completed filling and ensure correct volume collection.

2. Immediately after collection, shake tubes 10 times firmly to ensure the entire inner surface of the tubes are coated with blood to dissolve the antigens on the tube walls. Avoid overly vigorous shaking, this may cause gel disruption and aberrant results.

Stability/Transport:

- Whole blood: Ambient, 16 hours (do not refrigerate).
- Deliver collection tubes to lab immediately at room temp, before 5:00 pm, Monday – Friday.

Acceptable sample:

- If blood volume collected is within the black bar indicated in the photo, the sample is acceptable for testing.
- All 4 special QFT-Gold PLUS tubes collection tubes must contain 1.0 mL blood.

Unacceptable sample:

- If volume of blood collected is above or below the black bar indicated in photo, the sample is unacceptable.
- Less than the 4 special QFT-Gold PLUS collection tubes.
- Other tube(s) than Qiagen 4 special QFT-Gold PLUS collection tubes.
- Unacceptable samples will be communicated to the sending unit before test cancellation and request for sample recollect.
<table>
<thead>
<tr>
<th>Test Code:</th>
<th>QFT-Gold Plus</th>
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<tbody>
<tr>
<td>EAP:</td>
<td>LAB8965</td>
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<tr>
<td>Test Method:</td>
<td>Enzyme Linked Immunosorbent Assay (ELISA)</td>
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<tr>
<td>Performed:</td>
<td>Monday – Friday</td>
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<tr>
<td>Reported:</td>
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<tr>
<td>Reference Range:</td>
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Please call Mary Ellen Boyle at 720-848-7067 if you have any questions or visit our website at [https://www.ubealth.org/professionals/uch-clinical-laboratory/](https://www.ubealth.org/professionals/uch-clinical-laboratory/) for additional information.

Issued: July 16, 2018