

## Quick Instructions for Quality Control Urine (UQC) Dipsticks CAPT\_URI\_0100JA3

### 1. Materials:

#### A. Reagents:

**Bio-Rad qUANTify Advance Control:** Provided by the lab. Replaced monthly. Lab labels vials with date opened and date expired.

- a. **Level 1** - Normal
- b. **Level 2** - Abnormal

Once opened, the product is stable for 31 days when stored tightly between 2 – 25°C.

#### B. Supplies:

- a. Urine testing dipsticks:
  - i. Roche Chemstrip 10A
- b. Gloves
- c. Absorbent towel/pad for blotting
- d. QC Record Sheet
  - i. [CAPT\\_URI\\_0100cl2 Roche Chemstrip Urine Dipstick QC Testing Log](#)

#### C. Equipment:

- a. Timer
- b. Pen

### 2 Procedure:

1. The product should be treated in the same as patient specimens. Place gloves on.
2. Record date, urine dipstick lot number and expiry date on QC log sheet.  
**Note:** if expired, inform lead/supervisor and obtain new container. ***Make sure to write on lid of container when it was opened and initial.***
3. Remove test strip from vial. Immediately replace the cap for a tight seal.  
**Note:** Discard strip vial and contents if found with cap removed.
4. Invert the QC bottle several times to ensure homogeneity.
5. Add a couple of drops onto the test strip from the Quality Control vial.
6. Gently touch the long edge of the test strip to a piece of absorbent paper to remove any excess urine.

**Caution:** Do not blot urine test strip onto pad with color pads facing down onto the absorbent material.

7. Place the test strip, pads facing up, onto paper towel or absorbent pad.
8. **Set timer** – refer to log sheet for time to read
9. Urine Quality Control Results:
  - i. Hold the container upright and test the strip vertically.
  - ii. Compare the test pad to the corresponding row of color blocks on the label.

Do not touch the dipstick to the container as it may cause transference of fluid to subsequent dipsticks.



10. Document the UQC results onto the QC record log. Log lists the expected results. Place check mark if corresponds to expected results.
11. Repeat for Level 2
12. Check the UQC results with the appropriate chart.
  - i. Roche refer to: [CAPT\\_URI\\_0100JA2 Expected QC Results Urine Dipsticks - Roche ChemStrip](#)
13. **Results:**
  - i. **If within QC acceptable limits, proceed to patient testing**
  - ii. **Not within QC acceptable limits:**

**1. Possible cause:**

- a. Lid off of Test Strip Vial?
- b. Inadequate sampling – test strip not inserted into solution?
- c. Inadequate mixing?
- d. QC lid left off vial?
- e. QC not within expiry date?
- f. QC not within open vial expiry date?

**2. Action:**

- a. Open new vial of Test Strips, and discard the vial with the lid left off.
  - b. Discard UQC if lid left off vial.
  - c. Discard UQC if not within expiry date.
  - d. Discard UQC if not within open expiry date.
  - e. Repeat UQC testing with new test strip – ensure full absorption of test pads. Mix UQC well before testing.
14. Dispose of urine test strip in appropriate waste as per established procedure.