

**University of Colorado Hospital
Point of Care Testing Program
Urinalysis by Reagent Strip (manual and instrument) Competency Test**

Name: _____ **Unit:** _____ **Operator ID:** _____ **Date:** _____

Operator must obtain a score of at least 80%. Score _____

Circle the correct answer or fill in the blank.

1. The optimal specimen for a urine assay is:
 - a. the first morning specimen, or one that has incubated in the bladder for four hours or more
 - b. a specimen with preservatives added
 - c. a specimen that has been at room temperature for 4 hours
 - d. a specimen that has been refrigerated for greater than 24 hours

2. A urine specimen that has not been refrigerated and is greater than 4 hours old is unacceptable because:
 - a. WBCs are degenerated
 - b. RBCs are hemolyzed
 - c. bacteria increase and ketones decrease
 - d. casts disappear
 - e. all of the above

3. Proper instructions for maintaining urine stability include:
 - a. storing in a freezer indefinitely
 - b. storing at 2 – 8 °C for up to 24 hours
 - c. allowing specimen to warm up to room temperature before testing if refrigerated
 - d. storing at room temperature for up to 24 hours
 - e. Answers b & c

4. The following can interfere with the reagent areas on the urine dipstick:
 - a. substances that cause abnormal urine color
 - b. drugs containing “azo” dyes, riboflavin and /or nitrofuantoin
 - c. a visibly bloody urine may cause falsely elevated protein results
 - d. all of the above.

5. Urine dipstick reagent strips are stable:
 - a. until the manufacturer’s expiration date printed on the label, when stored at room temperature and protected from heat and light
 - b. 1 week after opening
 - c. 90 days after opening
 - d. none of the above

6. Quantimetrix “the dropper” urine dipstick controls are stable:
 - a. indefinitely as long as stored at room temperature
 - b. until the manufacturer’s expiration date printed on the label when stored between 2 – 8 °C; expiration date does not change once controls are opened
 - c. 30 days after opening
 - d. 1 week after opening

7. The frequency for performing two levels of urine dipstick liquid quality control is:
 - a. every 2 weeks
 - b. every 12 hours
 - c. manual dipstick testing: each time a new bottle of urine reagent dipsticks is opened and monthly for test strips in use more than 30 days; Clinitek instrument: each day of patient testing
 - d. once per week

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8. When performing urinalysis dipstick testing, proper procedure includes:
- a. mixing the urine specimen before testing
 - b. dipping the test areas of the strip completely, but briefly in the urine sample to avoid dissolving out the reagents
 - c. reading results following appropriate test reaction time
 - d. all the above

True or False

9. _____ Bacterial growth by certain organisms in a specimen may cause a marked alkaline shift (pH >8.0), usually because of urea conversion to ammonia.
10. _____ The specific gravity test portion of the urine dipstick permits determination of urine specific gravity between 1.000 and 1.030.