

Physical and Chemical Examination of Urine and Pregnancy Testing

Medical Laboratory Science · Answer Key · 20 Questions

1. What is the recommended background for determining the color of a urine specimen?

- A) Black background
- B) White background**
- C) Translucent screen
- D) No background

2. Which urine color is associated with the presence of bilirubin?

- A) Green
- B) Black
- C) Orange**
- D) Red

3. What is the cause of a green urine color?

- A) Pseudomonas**
- B) Bilirubin
- C) Melanin
- D) Blood

4. To determine the clarity of a urine specimen, what should it be examined against?

- A) A white wall
- B) A light source
- C) Printed text**
- D) A dark cloth

5. Which of the following is a method used to determine the specific gravity of urine?

- A) Centrifugation
- B) Urinometry**
- C) Titration
- D) Chromatography

6. What is the primary function of reagent strips in urinalysis?

- A) Microscopic examination
- B) Rapid screening**
- C) Bacterial culture
- D) pH neutralization

7. How should excess urine be removed from a reagent strip after dipping?

- A) Shaking it vigorously
- B) Touching the edge to the tube**
- C) Wiping it with a cloth
- D) Air drying

8. What should be done to prevent 'run-on' during reagent strip testing?

- A) Hold the strip sideways**
- B) Hold the strip downwards
- C) Cut the strip
- D) Add more urine

9. Why must reagent strips be kept in an opaque, tightly capped container?

- A) To keep them cold
- B) To protect from light and moisture**
- C) To keep them sterile
- D) To prevent evaporation

10. What is the threshold for the expiration of reagent strips?

- A) They can be used anytime
- B) Do not use beyond the expiration date**
- C) Only if they change color
- D) Only if kept in the fridge

11. What hormone does a pregnancy test detect?

- A) Insulin
- B) Beta-hCG**
- C) Cortisol
- D) Thyroxine

12. When does beta-hCG become detectable after fertilization?

- A) 1-2 days
- B) 8-10 days**
- C) 20-25 days
- D) 1 month

13. What does a pregnancy test result with colored lines in both control and test regions indicate?

- A) Negative
- B) Positive**
- C) Invalid
- D) Inconclusive

14. What does a pregnancy test result with only one line in the control region indicate?

- A) Positive
- B) Negative**
- C) Invalid
- D) Error

15. What does an invalid pregnancy test result look like?

- A) No lines at all**
- B) Two lines
- C) One line in the test region only
- D) One line in the control region

16. Which condition can result in elevated beta-hCG levels other than pregnancy?

- A) Diabetes
- B) Anemia
- C) Choriocarcinoma**
- D) Hypertension

17. How many drops of urine are required for the pregnancy test procedure?

- A) 1 drop
- B) 2 drops
- C) 3 drops**
- D) 5 drops

18. What should be done if a reagent strip shows discoloration on the pads?

- A) Use it immediately
- B) Discard it**
- C) Wipe it off
- D) Ignore it

19. What is the recommended storage temperature for reagent strips?

- A) Below 30 degrees Celsius**
- B) Frozen
- C) Above 50 degrees Celsius
- D) In direct sunlight

20. What substance is associated with black urine?

- A) Homogentisic acid**
- B) Bilirubin
- C) Pseudomonas
- D) Blood