

IRICELL INSTRUMENTS**COMPENTENCY TESTING:**

Below you will find several questions regarding the iRICELL Urinalysis System. These questions were developed as a compressive way of testing your laboratory personnel.

Customize your testing by selecting a few questions to accommodate your laboratory environment or select all questions listed below.

Administrators: The **multiple choice** questions will only have one correct answer. The correct answers are underlined to help facilitate your selections.

1. What is the minimum required volume when running a specimen on the iQ200 only?
 - a. 4ml
 - b. 3ml
 - c. 2ml
 - d. 1ml

2. When reviewing samples on the iRICELL system, using Edit Free Release,
 - a. It is important to review every sample.
 - b. It is important to review any particle that is red, because this count is above the acceptable range.
 - c. It is important to review only those particles that are indicated in yellow.
 - d. It is important to review any particle that is indicated in yellow or red.

3. According to the package insert the pH assures a marked change in color between ____ and ____ for urine on the iChem VELOCITY?
 - a. 5.0 - 9.0
 - b. 4.5 - 7.5
 - c. 5.5 - 8.5
 - d. 5.0 - 8.5

4. What particle is 10-14 um in size, spherical shape, has a shimmer, and granular cytoplasm?
 - a. Waxy cast
 - b. WBC clumps
 - c. Renal Epithelial
 - d. WBC

5. What is the open vial stability for the iQ Calibration material?
 - a. until the date on the bottle
 - b. 24 hours
 - c. 8 hours
 - d. 15 days

6. Reflectance CalCheck strips should be run within _____ of opening the sleeve?
 - a. 24 hours
 - b. 30 mins
 - c. Expiration date on sleeve, you must empty any used Chemistry strips from the waste container, clean the waste container, place paper towels down inside the waste container to catch the CalCheck strips and reuse them.
 - d. 8 hours

7. Which of the following particle(s) require the user to perform a microscopic confirmation?
 - a. Mucus
 - b. Hyaline Casts
 - c. Oval Fat Bodies
 - d. WBC

8. In the unclassified (UNCL) category which particles should be re-classified?
 - a. Only Casts
 - b. Casts and crystals
 - c. Everything
 - d. Casts and non-squamous epithelial cells (NSE)

9. Identify this particle.



- a. Uric Acid
- b. Triple Phosphate
- c. Calcium Oxalate
- d. Calcium Phosphate

10. Which of the following scenarios can cause a positive blood chemistry result on the iChemVELOCITY but the iQ200 does not reveal any RBCs present?

- a. RBC are lysed due hypotonic or alkaline Urine
- b. Myoglobin
- c. Microbial peroxidase
- d. All of the above
- e. None of the above.

11. The strip waste container holds 300 strips.

True

False

12. CA/CB/CC controls should be poured, placed in a non-light environment, and mixed by inverting 5 times prior to running.

True

False

13. The operator should pipette 3mL of CA/CB/CC controls into each tube

True

False

14. IQ positive control and Focus material should be shaken before use.

True

False

15. Focus, POS, and NEG iQ controls should be processed at least once every 8 hours.

True

False

16. A specimen that has a Chem N/A flag will not be auto released.

True

False

17. Cleaning the Specific Gravity, Color and Clarity module is part of the weekly maintenance.

True

False

18. In what order should the iRICELL System be put into Shutdown?

- a) iQ>>iChemVELOCITY >>Computer
- b) iChemVELOCITY>>iQ>>Computer
- c) Computer>>iQ>>iChemVELOCITY

19. The Sample Filter is located?

- a) On the top of the VELOCITY Pipette
- b) On top of the Aspiration Syringe
- c) On top of the iQ Pipettor
- d) On top of the Flow Cell

20. In what order should the iRICELL System be turned back on?

- a) iQ>>iChemVELOCITY >>Computer
- b) iChemVELOCITY>>iQ>>Computer
- c) Computer>>iQ>>iChemVELOCITY
- d) Computer>>iChemVELOCITY>>iQ

21. When entering a new lot number of iChemVELOCITY strips and QC what is the first step?

- a) Select Chemistry QC
- b) Go off line
- c) Enter lot number and expiration date
- d) Select the Work List button

22. After a change has been made to the configuration, what must be done?

- a) Shutdown the system
- b) Log Off and On
- c) Nothing
- d) Restart the system

23. The Dilution rack (Orange Rack Numbered 23) is used to run the undiluted sample on the iChem VELOCITY.

True

False

24. How often does CALCHECK need to be performed?

- a) Daily
- b) Weekly
- c) Monthly
- d) Quarterly
- e) As Needed

25. What is the open vial stability for the iChem Wash Solution?

- a) 30 days
- b) 60 days
- c) 90 days
- d) Date on Bottle

26. What is the open vial stability for the Lamina Solution?

- a) 30 days

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- b) 60 days
- c) 90 days
- d) Date on Bottle

27. Lamina Solution is used on which instrument?

- a) iChem VELOCITY
- b) iQ 200
- c) iChem100
- d) either
- e) both

28. How often should the Strip Provider Module be cleaned, more than one answer may apply?

- a) Daily
- b) Weekly
- c) Monthly
- d) BI-Weekly, if running more than 200 samples per day.

29. When performing the cleaning procedure on the Strip Conveyor System (SCS), it is important:

- a) Inspect the links for broken tabs
- b) Verify the presence of the white dots
- c) It is void of moisture prior to re-install
- d) All the above

30. What urine crystal found in any pH exhibits a highly refractive cross, but may be barrel or dumbbell form as well?

- a) Uric Acid
- b) Calcium Oxalate
- c) Cysteine
- d) Triple Phosphate