

**2009 Clinical Lab Expo Exhibit Exam  
Answer Key**

**ITC, booth #431**

1. Interpretation of creatinine results need to be viewed relative to age, gender and race. The National Kidney Disease Education Program (NKDEP) recommends laboratories use which formula in conjunction with creatinine values for assessment of renal function that incorporates these variables?
  - a. Anion gap
  - b. eGFR - Modification of Diet in Renal Disease (MDRD)
  - c. BUN:Creatinine ratio
  - d. Protein:Creatinine ratio
  
2. PT INR testing is useful in the situations below **except**:
  - a. Cardiac cath lab monitoring of low-dose heparin
  - b. Monitoring of target range for warfarin or Coumadin therapy
  - c. STAT testing for stroke intervention
  - d. Preoperative screening for general surgery
  
3. During what clinical applications/interventions is it vital to consider the sensitivity of the Activated Clotting Time (ACT) test when low dose heparin is administered?
  - a. Cardiac surgery, electro-physiology lab, hemodialysis
  - b. Cardiac surgery, heart-lung transplant, extracorporeal membrane oxygenation (ECMO)
  - c. Pacemaker insertion, stroke intervention, cardiac catheterization
  - d. Cardiac catheterization, extracorporeal membrane oxygenation (ECMO), hemodialysis

**Phadia US Inc., booth #463**

4. What is the typical progression of diseases in the childhood allergy march?
  - a. Asthma, recurrent otitis media, eczema
  - b. GI distress, rhinitis, current otitis media, eczema
  - c. Atopic dermatitis, GI distress, otitis media, allergic rhinitis, allergic asthma
  - d. None of the above
  
5. Which Specific IgE Blood Test has been proven to be the most accurate method for measuring Specific IgE and correlates most closely with clinical findings?
  - a. 3g Allergy
  - b. Hycor IgE-Stat
  - c. ImmunoCAP<sup>®</sup> -Phadia

- d. Genetech E-Spec

**SCC Soft Computer, booth #652**

6. Which of the following SoftLab features allows staff to view and track the status of work and to review results in real-time?
  - a. Specimen Tracking
  - b. **Order Status Monitor**
  - c. Autotracking
  - d. Autoverification
  
7. Which of the following SoftLab features stores information, in realtime, about specimen location in the laboratory and allows this information to be viewed by anyone who views the test order?
  - a. Specimen Tracking
  - b. Order Status Monitor
  - c. **Autotracking**
  - d. Autoverification

**Greiner Bio-One, Inc., booth #857**

8. What is the added feature of the VACUETTE® Quick Shield Complete Plus versus the Quick Shield Complete?
  - a. Safety shield attached to the holder
  - b. Pre-attached needle
  - c. **Translucent window providing visual confirmation of venipuncture**
  - d. Passive or automatic activation of the safety mechanism
  
9. Which one of the following statements is true regarding VACUETTE® Serum Gel Tubes? The tubes
  - a. **are FDA approved for therapeutic drug testing.**
  - b. contain a petroleum-based gel.
  - c. are made of glass.
  - d. have an arrow on the label indicating proper fill volume.
  
10. What is the shelf life of a standard blood collection tube manufactured by Greiner Bio-One?
  - a. 9 months
  - b. 12 months
  - c. **18 months**
  - d. 24 months

**Immucor, Inc., booth #1248**

11. The software of Immucor's Galileo Echo<sup>®</sup> blood bank instrument allows the running of a sample assay at the same time as when a different assay is also currently in process. The term used to describe this feature is:
- a. Co-existence
  - b. Co-habiting
  - c. Co-parallelism
  - d. **Co-mingling**
12. The Galileo Echo<sup>®</sup> turn-around-time (TAT) for a single Type and Screen is:
- a. **20 minutes**
  - b. 34 minutes
  - c. 37 minutes
  - d. 40 minutes

**IRIS, Booth 2052**

13. The analysis process for the iQ<sup>®</sup>200 microscopy system consists of all of the following **except**:
- a. Digital Image Capture
  - b. Particle Detection & Classification
  - c. **Particle Settings**
  - d. Quantitative Result Report
14. Circle all that apply: Daily start-up of the iQ<sup>®</sup>200 microscopy system consists of the following:
- a. **Clean instrument exterior surfaces**
  - b. **Check consumable/supplies**
  - c. Perform calibration verification
  - d. **Run controls**
  - e. Perform calibration
  - f. Change sample filter

**Nova Biomedical, booth #2453**

15. What is the average glucose reporting error due to low hematocrits (<35%) on current glucose meters?
- a. < 5%
  - b. 5% to 10%
  - c. 10% to 15%
  - d. **>15%**

16. How does StatStrip eliminate errors due to hematocrit?
- It measures the serum component of blood.
  - It measures the percent hematocrit in one of its four measurement wells and adjusts the glucose reading
  - It uses laser technology to adjust the hematocrit to normal levels before taking a glucose reading
  - Hematocrit doesn't cause error in glucose results.
17. What is the allowable error for package insert claims of glucose meters according to the FDA?
- 5%
  - 10%
  - 15%
  - 20%

### **AAFP – Proficiency Testing, booth #3601**

18. AAFP-PT has been providing high-quality, comprehensive, and cost-effective Proficiency Testing for \_\_\_\_\_ years.
- 10
  - 15
  - 20
  - 30
19. AAFP-PT's on-line proficiency test results reporting system is called:
- PT Central
  - PT Plus
  - Web PT
  - PT Now
20. AAFP-PT ships testing events three times each year. The months PT samples are shipped include:
- January, June and September
  - March, June and October
  - February, July and November
  - May, August, and December