

TEST QUESTIONS

Circles must be filled in, or test will not be graded. Shade circles like this: ☒ Not like this: ☐

- There is an inverse proportion between laboratory testing volume and staffing levels in the clinical laboratory today.
☐ A. True
☐ B. False
- In order to account for the "do more with less" paradigm, laboratories will need to
☐ A. push human resources to offer bigger salaries to medical laboratory scientists.
☐ B. scale down on laboratory testing menus.
☐ C. rely on automation in the production of diagnostic results.
☐ D. none of the above
- Quality management programs aren't typically used because they aren't required by accreditation or regulatory agencies.
☐ A. True
☐ B. False
- Which phase of testing is the most problematic?
☐ A. pre-analytical
☐ B. analytical
☐ C. post-analytical
☐ D. none of the above
- Pre-analytical errors largely occur because
☐ A. the instrument cannot sample specimens that are too old
☐ B. this process takes place outside of the laboratory
☐ C. healthcare personnel that draw blood do not practice proper order of collection
☐ D. all of the above
- Hemolysis represents up to _____ percent of all unsuitable specimens.
☐ A. 10
☐ B. 30
☐ C. 55
☐ D. 70
- An overlooked and uninvestigated cause of hemolysis is
☐ A. order of draw
☐ B. poor sampling technique
☐ C. transportation
☐ D. faulty collection devices
- Commercial monitoring devices for specimen transport are available for couriers and shipping companies that can track
☐ A. amount of vibration
☐ B. temperature
☐ C. GPS
☐ D. all of the above
- In addition to tracking shipments of specimens and couriers, the commercial trackers can also monitor
☐ A. pneumatic tube systems
☐ B. automatic centrifuges
☐ C. both A. and B.
☐ D. none of the above
- Monitoring the effect of results with icterus or lipemia interference requires instrumentation to have on-board HIL index scoring.
☐ A. True
☐ B. False
- The use of QC material is the most common method to monitor the _____ phase of testing.
☐ A. pre-analytical
☐ B. analytical
☐ C. post-analytical
☐ D. none of the above
- The _____ QC rule is simple, but can lead to erroneous results or too many false QC rejections.
☐ A. triple
☐ B. double
☐ C. multi
☐ D. single
- A risk-managed approach to developing a proper QC strategy includes
☐ A. the QC rule
☐ B. the number of QCs per QC event
☐ C. the number of patient specimens between QC events
☐ D. all of the above
- When determining acceptable risk, published guidance tables show that frequent acceptability of harm would produce _____ severity in an individual.
☐ A. negligible
☐ B. minor
☐ C. critical
☐ D. catastrophic
- Which index is used to determine the current risk level of a QC analyte?
☐ A. Risk Index Health (RIH)
☐ B. Hemolysis, Icterus, Lipemic Index (HIL)
☐ C. Risk Management Index (RMI)
☐ D. none of the above
- An index of > _____ indicates that the QC strategy does not have managed risk.
☐ A. 0.10
☐ B. 0.5
☐ C. 0.75
☐ D. 1
- Monitoring analyte positivity rates and inter-laboratory peer group QC programs are established for _____ analysis for improving QC.
☐ A. pre-analytical
☐ B. analytical
☐ C. post-analytical
☐ D. none of the above
- When a positive rate starts to jump, it could be indicative of a problem in the testing process but doesn't need to be investigated further.
☐ A. True
☐ B. False
- Peer group comparison of QC reports identify _____, while monitoring their own QC data identifies test method _____.
☐ A. bias; precision
☐ B. precision; bias
☐ C. accuracy; precision
☐ D. precision; accuracy

Tests can be taken online or by mail. Easy registration and payment options are available through NIU by following the links found at www.mlo-online.com/ce.

PLEASE PRINT CLEARLY

NAME _____

MAILING ADDRESS _____

☐ HOME ☐ WORK

CITY _____ STATE _____ ZIP _____

INSTITUTION/FACILITY _____

PHONE _____

E-MAIL ADDRESS _____

Send your \$20 check payable to Northern Illinois University with this form to: University Outreach Services, Northern Illinois University, DeKalb, IL 60115-2860 Phone: 815-753-0031
 FEE NOT REFUNDABLE OR TRANSFERABLE

P = Poor; E = Excellent

1. To what extent did the article focus on or clarify the objectives?

P 1 2 3 4 5 E

2. To what extent was the article well-organized and readable?

P 1 2 3 4 5 E

3. How will you use the CE units?

☐ state license ☐ employment
☐ recertification ☐ other

CE Licensure Information for FL and CA:

FL: Your FL license number: _____
 (required for CE credit)

CA: Accrediting Agency: 0001
 (for use in submitting your CE credits to CA)



MLO and Northern Illinois University (NIU), DeKalb, IL, are co-sponsors in offering continuing education units (CEUs) for this issue's CE article. CEUs or contact hours are granted by the College of Health and Human Sciences at Northern Illinois University, which has been approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® program. Approval as a provider of continuing education programs has been granted by the state of Florida (Provider No. JP0000496). Continuing education credits awarded for successful completion of this test are acceptable for the ASCP Board of Registry Continuing Competence Recognition Program. Readers who pass the test successfully (scoring 70% or higher) will receive a certificate for 1 contact hour of P.A.C.E.® credit. Participants should allow three to five weeks for receipt of certificate. The fee for this continuing education test is \$20. This test was prepared by Amanda Voelker, MPH, MT(ASCP), MLS, Clinical Education Coordinator, School of Health Studies, Northern Illinois University, DeKalb, IL