Chapter 9: Quality Control (QC)

OBJECTIVES

Upon completion of this chapter, you will be able to:

- Recognize ID card results
- Recognize AST card results
- Explain importance of an audit trail

PRINTING & VIEWING INSTRUCTIONS

Print (preferably in color) and read the objectives and questions for each chapter prior to viewing the associated video. Questions may be answered as you view the video. Please bring your completed online workbook to the VITEK® 2 Compact instructor led training class in Durham, North Carolina. For specific instructions on video viewing, please refer to the Getting Started link.

GUIDED VIEWING QUESTIONS

Quality control testing of VITEK® 2 test cards and control organisms is critical. When a new shipment of test cards is received, the shipment must be recorded in the VITEK 2 Compact software. To do this a series of tasks must be performed.

1. Read the statements below and put each action in sequential order, number one being the first step and five the last.

   _____ Click the Record Shipment icon
   _____ Log in, if necessary
   _____ Type or scan the lot number from the box of cards
   _____ Select the Manage Quality Control Results icon
   _____ Enter the quantity of boxes received, if required by your lab
Read the statements and circle the correct letter for each answer.

2. ID and AST cards for QC may be set up as virtual cassette or _____.
   A. Set-Up Test Post Entry/Load and Go
   B. Set-Up QC
   C. QC Result

3. QC Isolate groups contain only _____ card(s).
   A. one
   B. two
   C. three

4. If a shipment record was not created for a card lot, the _____ window appears.
   A. Set-Up QC
   B. Record Shipment
   C. QC Reference ID

5. If a shipment record was created for a card lot, the _____ window appears.
   A. Set-Up QC
   B. Record Shipment
   C. QC Reference ID

Determine whether each statement is correct or incorrect by circling either “True” or “False”.

6. After all QC isolates have been defined and saved, the cassette appears as read-only in the navigation tree.
   True    False
7. Only QC results with a deviation require a review, but this can be configured to require both review and approval.

True   False

8. QC results can be viewed by QC Reference ID, card type or date tested.

True   False

9. Match the icon with the function by drawing a line from the icon to the appropriate function.

- Isolate complete
- To be approved
- To be reviewed
- Final, Qualified – analysis is complete but the isolate needs additional information to be complete
- Preliminary – card still processing
10. When viewing ID and AST QC card results, detailed information is displayed in the active workspace. Read each description and place either an “I” (ID cards) or an “A” (AST cards) or “Both” (ID & AST cards) in the corresponding space.

_____ Actual and expected organism
_____ Tested biochemicals
_____ Tested antimicrobials
_____ Actual and expected results
_____ Comment section

11. Place a Check (✓) in the box containing the icon that allows a user to review results.

12. Place a Check (✓) in the box containing the icon that allows a user to view ID or AST card details.
13. To create a Cumulative QC report, specific steps must be followed. Read the statements below and put each action in sequential order, number one being the first step and six the last.

____ Select the View By option
____ Go to the View QC Results screen
____ From the Filter By dropdown list select Custom
____ Click OK to display results
____ From Cumulative QC Search Criteria window, select an option to review desired QC results
____ Click Print

14. Place an “X” in front of the items that are NOT included in the QC Lab Report for ID cards.

____ ID card information including card type, lot number and expiration date
____ Biochemical details
____ AST card information
____ Actions taken on the card

15. Place an “X” in front of the items that are NOT included in the QC Lab Report for AST cards.

____ Antibiotic details
____ Biochemical details
____ AST card information
____ Actions taken on the card