i-STAT SYSTEM

i-STAT 1 CLASSROOM TRAINING OUTLINE

***Lesson***

**i-STAT SYSTEM ORIENTATION**

* + The *i-STAT* System components
    - *i-STAT 1* *Analyzer*
    - *i-STAT 1 Battery Carrier*
    - *i-STAT 1 Rechargeable Battery*
    - *i-STAT 1 Downloader/Recharger*
    - *i-STAT 1 Printer*
    - *i-STAT 1 Electronic Simulator*
  + Anatomy of the analyzer

***Lesson***

## i-STAT CARTRIDGE

* + Cartridge overview
  + Cartridge packaging
  + Temperature storage (refrigerated and room)
  + Anatomy of a cartridge
  + Cartridge handling
  + Cartridge filling
    - Transfer device options
    - Best practice for avoiding quality check codes

***Lesson***

## QUALITY TESTING – External Electronic Simulator

* + Performing an external electronic simulator test
  + Interpreting external simulator test results
  + Reviewing stored results
  + Troubleshooting
    - Quality check codes for simulator testing

***Lesson***

## QUALITY TESTING - Internal Electronic Simulator

* + Performing an internal electronic simulator test
  + Interpreting internal simulator test results
  + Reviewing stored results
  + Troubleshooting
    - Quality check codes for simulator testing

***Lesson***

## QUALITY TESTING - Liquid Quality Control

* + Preparing liquid quality controls
  + Performing a liquid quality control test
    - Interpreting liquid quality control results
      * Value assignment sheets (VAS)
      * Electronic value assignment sheets (eVAS)(Optional)\*
  + Reviewing stored results
  + Troubleshooting

\* Requires connectivity and data management. \*\* Abbott releases software for the *i-STAT* System bi-annually.

***Lesson***

# PERFORMING A PATIENT TEST

* + Preparing the instrument
  + Performing a patient test
  + Interpreting test results
* Flags (<, >, <>)
* Star Outs (\*\*\*)
* Factors that affect results
* Reviewing last result
* Reviewing stored results

***Lesson***

# TROUBLESHOOTING

* Startup messages
* Alert messages
  + Lot expired
  + Invalid cart
* Quality check codes
  + Cause/resolution
  + Quality check code messages
  + Responding to a quality check code

***Lesson***

# CLEANING AND DISINFECTING

* Cleaning and disinfecting system components

***Lesson***

# PRINTING TEST RESULTS

* Printing via infrared connection with the *i-STAT 1 Printer*
* Printing via hard-wired connection with the i*-STAT 1 Printer* and *i-STAT 1 Downloader/Recharger*

***Lesson***

# PERFORMING SOFTWARE UPDATES (Bi-annual) \*\*

* Updating software with the *i-STAT 1 JAMMLite* application
* Updating software with *i-STAT/DE* (Optional)\*

***Lesson***

# PERFORMING THERMAL PROBE CHECK (Bi-annual) \*\*

* Performing a thermal probe check
* Reviewing stored results

***Lesson***

# TRANSMITTING TEST RESULTS (Optional)\*

* Transmitting results using a network connection with the   
  *i-STAT 1 Downloader/Recharger*.

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