



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 electronics 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

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*.

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