

i-STAT Quality Control Creatinine Procedure



Frequency: i-STAT Tri-control QC must be run upon receipt of stock (for each lot number) and or monthly basis respectively.

Materials Required:

1. 2 x Crea cartridges
2. Tri-control level 1 & level 2
3. 2 x 1mL plain syringes

Tri-controls should be allowed to stand at room Temperature for 4 hours (up to 48hrs) prior to testing.

Crea cartridges should be allowed to stand at room temperature for ~5 minutes prior to testing.



Actions:

Results will be displayed after 3 minutes indicating **PASS** or **FAIL**
FAIL Crea cartridge - rerun using same vial.

If cartridges fails a second time contact your Hub Coordinator.

PASS Crea cartridge - sign and date maintenance log to indicate QC has been performed.

Control 151024	
10:40 14OCT11	
i-STAT CHEM8+	
PASS	
Na mmol/L	120
K mmol/L	2.8
Cl mmol/L	77
iCa mmol/L	1.46
TCO2 mmol/L	17
→ Page	
1-Test Options	

While results are displayed, select 1-Test Options and remove cartridge.

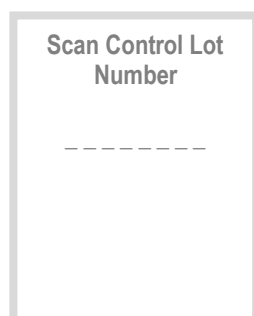
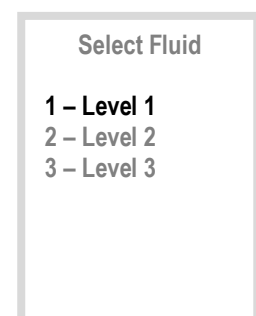
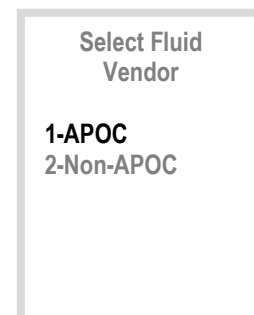
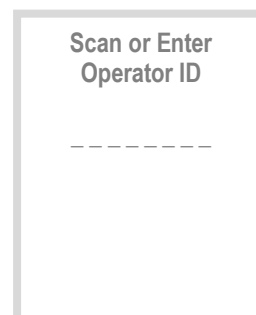
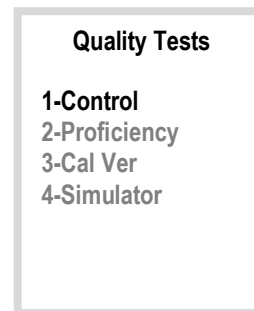
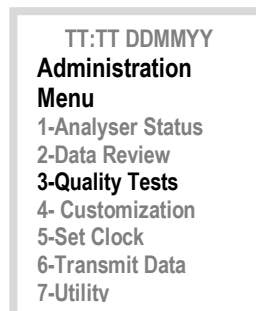
To test next cartridge or QC vial, select "Next Test" and follow above instructions.

Otherwise return to your Administration Menu. When testing completed, return i-STAT to dock.

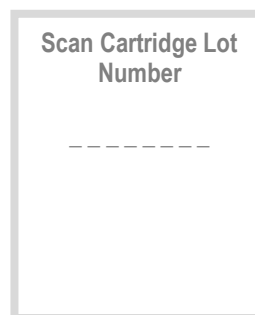
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Procedure:

1. Prepare analyser: Remove i-STAT from dock
 - a) Press “Menu” button until “Administration Menu” is displayed.
 - b) From the Administration Menu select:
3 - Quality test
 - c) 1 - Control
 - d) Scan or enter Operator ID
 - e) Select fluid vendor (1 – APOC Abbott Point Of Care)
 - f) Select QC Level
 - g) Scan control lot number (located on vial)
 - h) Scan cartridge barcode



**From Insert Cartridge screen, you have
15 minutes to insert your loaded cartridge.**



2. Loading your i-STAT cartridge:
 - a. **Vigorously** shake the QC vial (until a foam layer appears).
 - b. Snap the top off the QC vial. Immediately insert the luer end of a 1ml plain syringe into the opening, invert and withdraw fluid.
 - c. Without delay dispense QC fluid into cartridge, close the cartridge insert into the i-STAT analyser.