

i-STAT Quality Control

CG4+ & Chem8 Procedure – Lock out



Frequency: i-STAT Tri-control QC must be run upon receipt of stock (for each lot number) and/or monthly basis respectively. The lock out schedule is displayed on your PoCT Calendar. QC lockout “grace” period begins on the date marked in **Blue**, lockout becomes active if controls haven’t been tested before the date marked in **Purple**.

Materials Required:

1. 2 x CG4+ & Chem8 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.

CG4+ & Chem8 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 CG4+ cartridge - rerun using new vial.

FAIL Chem8 cartridge - rerun from same vial.

If cartridges fails a second time contact your Hub Coordinator.

PASS CG4+ & Chem8 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	

If testing both CG4+ and Chem8 cartridges, the same QC vial is suitable to be used for CHEM8+ cartridge (within 15 minutes of first testing CG4+ cartridge).

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.

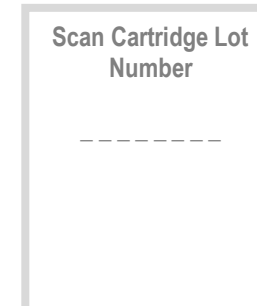
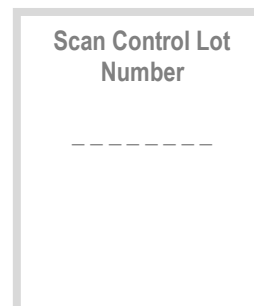
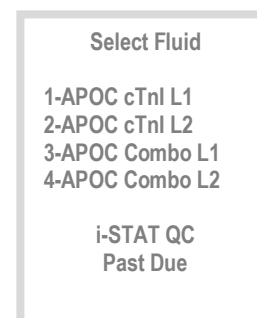
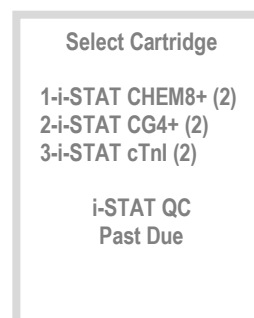
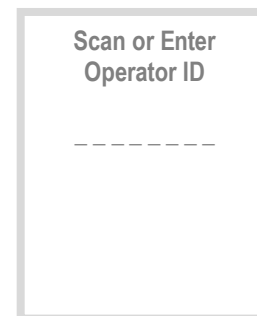
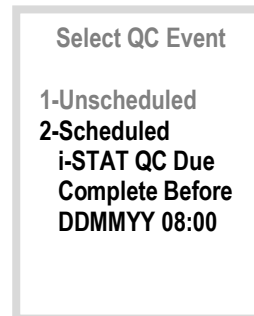
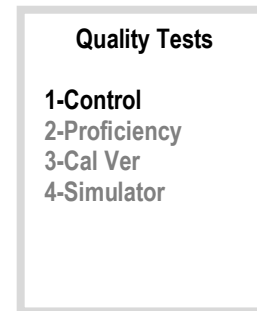
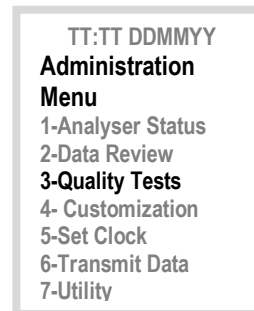
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CG4+ & Chem8 Procedure – Lock out

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) 2 - Scheduled (setting only available after QC lockout “grace” period begins, satisfies QC lock out), Unscheduled (can be used anytime, does NOT satisfy QC lockout)
 - e) Scan or enter Operator ID
 - f) Select cartridge to be tested (The number of levels pending for each cartridge is displayed next to cartridge type)
 - g) Select QC (Combo L1 or L2)
 - h) Scan control lot number (located on vial)
 - i) Scan cartridge barcode

From Insert Cartridge screen, you have 15 minutes to insert your loaded cartridge. (CG4+ must be tested first if both cartridges required)



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.

