

i-STAT Quality Control CG4+ & Chem8 Procedure



Health
Pathology

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 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.

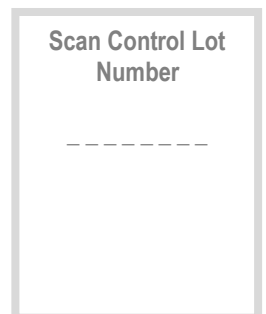
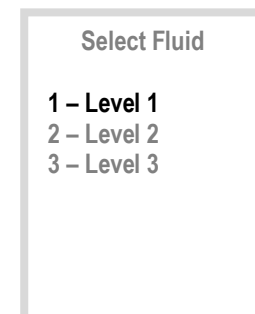
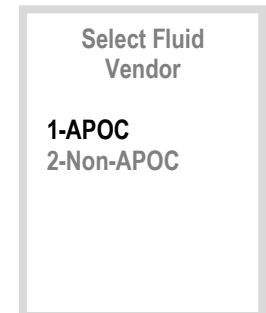
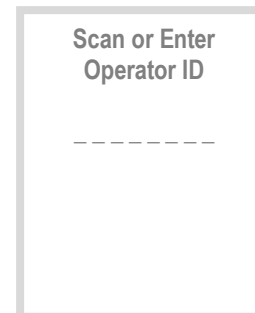
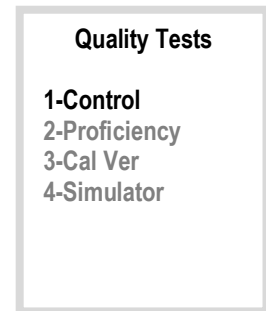
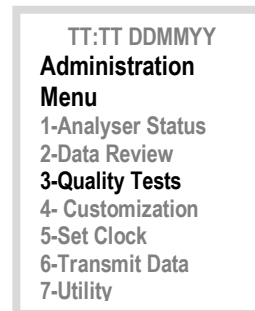
To test next cartridge or QC vial, select "Next Test" and follow above instructions.

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

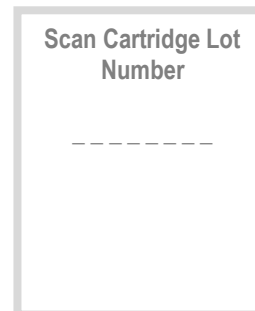
i-STAT Quality Control CG4+ & Chem8 Procedure

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. (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.