

# i-STAT Quality Control PT/INR



**Frequency:** i-STAT PT/INR QC must be run upon receipt of stock (for each lot number) at the distribution point and monthly at the clinical site.

**Materials Required:**

- a. 2 x PT/INR cartridges
- b. PT/INR control Vial Pairs for Levels 1 and 2
- c. 2 x plastic pipettes or 1mL plain syringes

The controls should be allowed to stand at room temperature for a min of 45 minutes prior to testing. (but up to 4 hrs max)

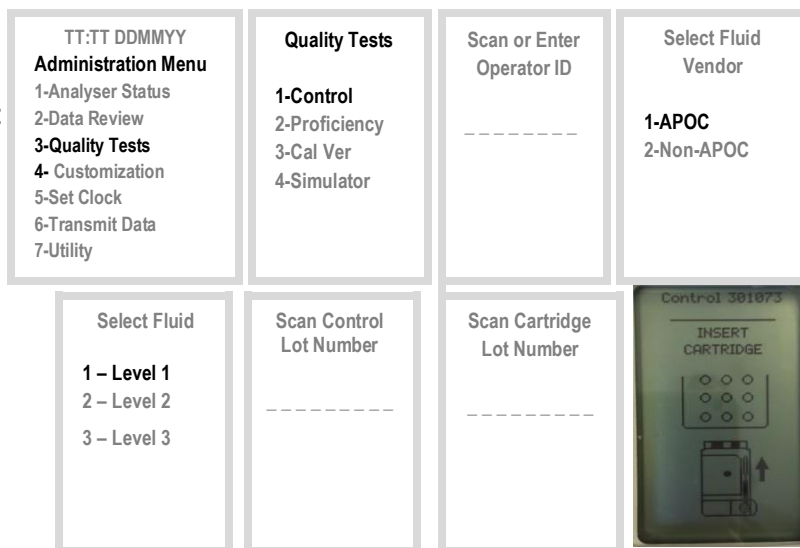
The PT/INR cartridges should be allowed to stand at room temperature for ~5 minutes prior to testing.



**Procedure:**

1. Prepare analyser:  
Remove i-STAT from dock.  
From the Administration Menu select:
  - a. Quality test
  - b. Control
  - c. Scan or enter Operator ID
  - d. Select fluid vendor  
(1-APOC Abbott Point Of Care)
  - e. Select fluid level (1 **OR** 2)
  - f. Scan control lot number  
(located on vial)
  - g. Scan cartridge barcode

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



2. Load the cartridge:
  - a. Tap each vial on the bench to settle their contents, then remove their caps and stoppers.
  - b. Pour the contents of the Calcium Chloride vial into the matching ILevel's Lyophilised Vial, then place the stopper back on the Lyophilised Vial.
  - c. Allow the vial to sit at room temperature for 1 minute
  - d. Mix the contents of the vial by swirling gently for 1 minute, then inverting slowly for 30 seconds.
  - e. Without delay dispense QC fluid into the cartridge, close and insert into the i-STAT analyser.

Results will be displayed within 3 minutes indicating **PASS** or **FAIL**.

**If FAIL:** Retest with a new cartridge immediately. If cartridge fails a second time contact your PoCT Coordinator.

**If PASS:** Sign and date the maintenance log to indicate QC has been performed.

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