# i-STAT
## Patient Test Procedure

Austin HEALTH | Pathology

Before testing, register the patient with a UR number before. If this is not possible, use the UR Number **999999999.**
If DOB is unknown, enter **01/01/1900. Complete a POCT Reconciliation Form.**
If an **incorrect UR** is entered, results may go to the wrong patient record. **Contact your supervising lab immediately**, complete a POCT Reconciliation form, and send it to poc@austin.org.au

999999999

**1** Turn on i-STAT



**2** Press 2, to select i-STAT Cartridge then enter or scan your Operator ID

**3** Enter / Scan the Patient ID. The Patient ID is the UR number. Check that you have the correct UR number and Enter/Scan again




**4** Scan the cartridge barcode and open the pouch



**5** ***hs-TnI testing only***
Select patient sex e.g. 1= Male
Press Enter

**6** Mix the blood and add it to the sample well until it reaches the fill mark.



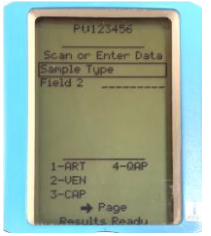




**7** Place i-STAT on level surface and slide/close the tab over the sample well. Insert the cartridge into the port. DO NOT move the i-STAT once cartridge is inserted.




**8** Select the sample type by selected the pressing the number that correlates to the sample type. Eg. If venous, then select 2. Press ENT.
Enter the DOB in Field 2 using format DDMMYYYY.
Press ENT.




**9** Press the right arrow to return to the progress screen. Results will display when testing is complete.




**10** To print results, line up i-STAT with printer and press print. Press 1 and remove cartridge and discard.




**11** **Review Results-** Critical/significant results must be notified to the appropriate clinician
**Results that do not align with the patient's clinical status -** consider incorrect collection technique, sample type, or mixing and handling. In rare instances some medications or antibodies can interfere with testing.
***If in doubt collect a fresh sample and ensure the correct process is followed and/or follow up with Lab Testing.***

## Additional Information

### Sample Type

CG4+, CG8+ Chem8, hs-TnI and Glucose require a Lithium/Heparin tube (green top) or balanced heparin syringe or capillary tube.

Pt Plus requires a fingerprick collection.

**Pt Plus Testing**



### Testing Time and Order

**CG4+ must always be run first**

| Cartridge | Collection must be run within | Analysis time |
|---|---|---|
| CG4+, CG8+ | 10 mins | 2 mins |
| Chem8 | 30 mins | 2 mins |
| Hs-TnI | 30 mins | 15 mins |
| Pt-Plus | Immediately | 5 mins |
| Glucose | 30 mins –Tube<br>3 mins - Capillary | 2 mins |

### Cartridge handling

Always handle the cartridge at the sides. **Do not** touch the metal sensors or the front label.

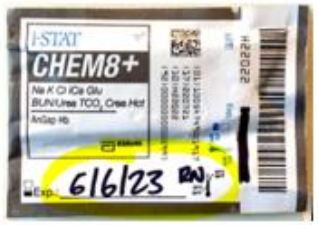




### Cartridge Storage

**Fridge**: Cartridges stored at 2-8°C can be used up to expiry date printed on the pouch. When taken from the fridge cartridges must be at room temperature for **5 minutes** before use.

**Room Temperature:** Cartridges have a reduced expiry at room temperature. **You must write the adjusted expiry date on the pouch once taken from the fridge.**
Chem 8+, Pt Plus, Glucose and Troponin last for **14 days** at room temp, and CG4+ and CG8+ for **two Months**




### Reprinting Results

**To reprint results:**

Press **Menu** -> **2** – Data Review -> **1** – Patient -> **Enter Patient ID** (UR) -> **Enter**

The most recent result for the patient will be displayed. Use the number 2 key to go to the previous results.

Always confirm the Patient ID (UR) on the printout is correct before giving results to the clinician

### Safety

1.This procedure involves the handling of human biological specimens.
2.Staff must adhere to relevant safety protocol including the wearing of appropriate personal protective equipment.

### References

MGM-POC-002 - ABBOTT i-STAT Manual
SOP-POC-002 - i-STAT Standard Operating Procedures
LWI-POC-004 - POC i-STAT Critical and Significant Abnormal Result
FOR-POC-007 – POCT Patient Reconciliation Form