

# CRP Patient Testing

## Performing a Patient Test via Lithium Heparin venepuncture

1. Power on the instrument. This takes about 5 minutes to warm up.
2. Perform patient venepuncture ensuring collection a Lithium Heparin (dark green) tube and mix well.
3. Select **Patient Test**
4. Scan **Operator ID** barcode or press the **X** and enter ID manually using on screen keyboard
5. Scan **Patient ID** which is the encounter number on the patient's bradma label
6. Ensure that the disc is at room temperature.
7. Open disc pouch and remove disc.  
\*Take care only to handle the edges and hinge cover. DO NOT touch the transparent surfaces\*
8. Open disc completely, turn upside down and place on a flat surface.
9. Mix sample tube again, then using a transfer pipette, hover a drop of blood over the suction point and allow the disc to fill.  
\*The area marked in blue has to be completely filled with blood\*
10. Close the hinge firmly **2 clicks**. Once closed correctly the hinge cover cannot be opened again.  
\*Once the sample has been added to the disc, it must be tested within 120seconds\*
11. To open the b101 lid, choose **Open** on the touch screen.
12. Insert the disc in the instrument, with the test name on the disc facing upwards.
13. Close the lid.  
\*The measurement starts automatically and takes about 4 minutes\*
14. A beep will let you know that the test is finished.
15. Open the lid and remove the disc. Discard disc into designated rubbish bin.
16. Close the lid.

## Performing a Patient Test via finger prick

1. Power on the instrument. This takes about 5 minutes to warm up.
2. Select **Patient Test**
3. Scan **Operator ID** barcode or press the **X** and enter ID manually using on screen keyboard
4. Scan **Patient ID** which is the encounter number on the patient's bradma label
5. Ensure that the disc is at room temperature.
6. Open disc pouch and remove disc.  
\*Take care only to handle the edges and hinge cover. DO NOT touch the transparent surfaces\*
7. Open disc completely.

8. Wearing gloves, clean the side of the middle or ring finger with an alcohol wipe and allow to dry.
9. Lance the side of the fingertip. Dispose of the lancet in the yellow sharps Biohazard bin.
10. Wipe the first drop of blood away as it contains tissue fluids.
11. Milk the finger gently and with the front of the disc facing upwards, position the disc's suction point above the drop of blood.  
\*Make sure you apply blood to the suction point only to prevent contamination of the disc\*
12. Apply blood and ensure it has filled the marked area.
13. Turn the disc over to check the sample volume.  
\*The area marked in blue has to be completely filled with blood\*
14. Close the hinge firmly **2 clicks**. Once closed correctly the hinge cover cannot be opened again.  
\*Once the sample has been added to the disc, it must be tested within 120seconds\*
15. To open the b101 lid, choose **Open** on the touch screen.
16. Insert the disc in the instrument, with the test name on the disc facing upwards.
17. Close the lid.  
\*The measurement starts automatically and takes about 4 minutes\*
18. A beep will let you know that the test is finished.
19. Open the lid and remove the disc. Discard disc into designated rubbish bin.
20. Close the lid.

### Measuring Range

The measuring range for CRP is 3 – 400mg/L.

### Reference Range

Normal <5mg/L




### Reviewing Results

To look back at patient results select **Review results** on the main screen, then **Patient** or **Control** results. These will be identified by day/time and the Patient encounter number.

### Limitations

- For diagnostic purposes, the results should always be assessed in conjunction with the patients' medical history, clinical exam and other findings.
- No significant interference from low levels of haemolysis, icterus, lipaemia, glycemia, rheumatoid factors or drugs.

## Error messages

Button/Icon	Category	Meaning
	Error	<ul style="list-style-type: none"><li>• Hardware problem codes. Operation has stopped.</li><li>• Software problem codes. Operation has stopped.</li></ul>
	Warning	Application problem codes. The operator needs to repeat the test with a new disc.
	Information	User handling codes. Suggests an alternate workflow. Operation can continue.

**The icon indicates the severity of the issue: ie whether you need to intervene.**

All error messages are listed in the operator's manual. Take note of the error message if you need to contact the POCT Quality Manager on 2453 or Roche Techline on 0800 36 36 22 for assistance.