

Automated Lactate Measurements from Mouse Tail

Preparing & Calibrating [Apparatus]

1. Open a new box of strips. (**catalog # 1-3 for test strips, FaCT Canada**)
2. Insert the Calibration Strip into the Strip Inlet.
 - a. The function number will appear on the display.
 - b. Check that the function number matches the number printed on the box.
3. Remove the Calibration Strip from the Strip inlet and store it in its plastic bag.
4. This does not have to be repeated until a new batch of strips is opened.
5. Additionally, there is a Test Strip stored with the meter that may be checked.

Performing Assay

1. Before cutting tail, peel a Test Strip foil packet to the line indicated and insert the Test Strip into the Strip Inlet.
2. The function number and the last measured test result will blink alternately on the display. Make sure the function number matches the number on the Test Strip foil packet.
3. Collect a drop of blood by snipping the tail; only requires ~5 μ l.
When doing both blood glucose and lactate use first drop of blood for glucose and second drop for lactate. If only doing lactate, spot the first drop on chux and use second drop for lactate.
4. Touch the tip of the strip to the drop of blood. The measurement will automatically start. Reading takes 1min; display will count down.

NOTE: Blood should only be drawn at the tip of the test strip. Applying blood onto the surface of the test strip may cause incorrect test results.

Use the Test Strip immediately after opening the foil packet. Leaving it exposed for a long time may cause incorrect test results.

Calibration Strip. Once the Test Meter has been setup with the Calibration Strip, additional procedure is not necessary until a new box of Test Strips is used. However, keep the Calibration Strip until you finish using them all.

Apparatus

Lactate Pro Portable Lactate Analyzer

FaCT Canada, catalog number 1-1

www.fact-canada.com

Shimojo *et al* Clinical Chemistry 1993 39(11)