

Work instruction Number 504

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Purpose: *Adjust setting EC Cell*

Safety *Laser hazard area*

Instrument: *Lorrca MaxSis*

Version: 004 October 2019

Step 1

- A. Warm up a vial with Elon iso (QRR030901) to room temperature. Don't put it in warm/hot water
- B. Look for the osmotic value on <https://support.rremechatronics.com> => Lorrca => User => *Lorrca Reagents: Certificates of Analysis*.
- C. Check the osmotic corresponding to your batch number.
For example, the measured osmolality from batch number 2005453B = 288.



Step 2

Remove the sensor tube from the bob and place it in the vial with QRR030901 Elon iso.

Step 3

- A. In Lorrca IO settings: Set V1 to "Drain cup from bottom".
- B. Set waste pump ON.
- C. After the EC-cell is fully filled with Elon iso without air bubbles, switch the waste pump OFF.

Step 4

- A. Wait for the Lorrca to reach its operating temperature 37°C
The suspension temperature should be 25 – 34 °C.
- B. Write down the osmolality and cell constant.

Step 5

- A. Adjust the cell constant in hardware check Lorrca status. From the (standard) value up or down till the osmolality from the Elon iso is met and connect the sensor tube back on the bob.
- B. Return to the main menu and close Lorrca software (no end-of-day wash).
- C. Turn off instrument and wait approx. 15 sec.
- D. Turn the Lorrca on again and start the software. (when the temperature is correct)
- E. Check if the value of the Cell constant is the correct value.
- F. Rinse the cup to remove the remaining Elon Iso in the tubes.
The EC-cell is now ready to use.