

**CALIBRATION ON THE IQ200**

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**PURPOSE**

To provide instructions to perform the calibration testing on the iQ200

**RELATED DOCUMENTS**

J-W-UA-1031      Microscopic Urinalysis on the iQ200

**SUPPLIES**

1. iQ Calibrator, store at 2-8 C, open bottle expires in 24 hours.
2. iQ Focus and daily maintenance rack.
3. 16 X 100 glass tubes
4. Blue calibration rack
5. Barcodes provided in box include lot number, expiration date and expected value.

**FREQUENCY OF CALIBRATION**

1. Calibration of the iQ200 will be performed monthly
2. Calibration will also be performed when:
  - Quality control has failed established ranges resulting from reagent lot changes or significant shift of quality control ranges has occurred.
  - Major maintenance or repair
  - When recommended by the manufacturer

**STEPS**

1. Run a Focus control prior to the calibration
  - Place barcode provided from box on a tube
  - Fill tube with 6ml of Focus reagent.
  - Place in position 5 of the daily maint/control rack
  - Load rack onto the iQ and press START
  - Continue to next step if Focus is accepted

2. Bring calibration bottle to room temperature

Reagent handling:

- Hold bottle upside down
- Give 5 hard sharp shakes
- Gently invert bottle 5 times
- Let bottle sit for 1 minute until air bubbles have dispersed.

3. Running the calibration:

- Place barcode provided onto 10 glass tubes.
- Add 4ml of Calibrator to each tube.
- Place tubes into the calibrator rack
- Load rack onto the iQ200, press START
- All calibrations will be processed and calculations performed automatically.
- Do not repeat the Focus Step 1 after calibration
- Always run QC after calibration

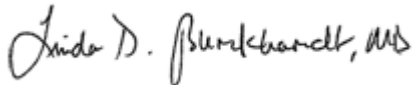
## RESULTS

1. When the calibration is successful, the date and time and new REF value will be displayed in the last Calibration field on the Instrument screen.
2. If a QC/CAL ID error has occurred during calibration, the barcode reader could not read a specific barcode label. The rack will be rejected and the instrument will go off-line.
  - Make sure barcodes are correctly positioned
  - Click "Go on line"
  - Rerun the rack
3. QC/CAL out of order error
  - Make sure tubes are in the correct position and the focus has been run first.
  - Reject the flag to remove the results from the Work list.
  - Rerun the Focus tube in position 5 of the rack.
  - Refill and rerun the calibration rack.

4. Document that calibration has been performed in maintenance log and any problems that may have arisen.

**REFERENCE**

iQ 200 Operator's Manual , IRIS diagnostics, 2004.

<b>DOCUMENT APPROVAL Purpose of Document / Reason for Change:</b>		
New Format Added don't run Focus after calibration Added run controls after calibration		
<input type="checkbox"/> No significant change to process in above revision. Per CAP, this revision does not require further Medical Director approval.		
<b>Committee Approval Date</b>	<input type="checkbox"/> Date: <input type="checkbox"/> N/A – revision of department-specific document which is used at only one facility	<b>Medical Director Approval (Electronic Signature)</b>  8/30/13