

VP-29: MEIA TEMPERATURE CALIBRATION (page 1 of 3)



Time: 30 minutes to 2 hours

Purposes:

- To adjust MEIA remote air set point to maintain a temperature of 33.8°C - 34.2°C in the liquid filled incubation well of the reaction cell, and
- To check MEIA Buffer Heater and Reagent Heater

1. Perform MEIA Temperature Calibration:

- MONITOR
- CAL
- TEMP

2. Load MEIA carousel.

3. Press:

■ START

4. Measure and enter temperature when instructed by the Display. The carousel will incubate one heat cycle (30 minutes) to allow liquid temperature to stabilize. Then analyzer will BEEP.
- a. Press button or switch on Temperature Meter.
 - b. Open door.
 - c. Put Temperature Probe with Adapter into position 3 for 10 seconds
(Figure VP29-1).

Example printout
(Figure VP29-2)

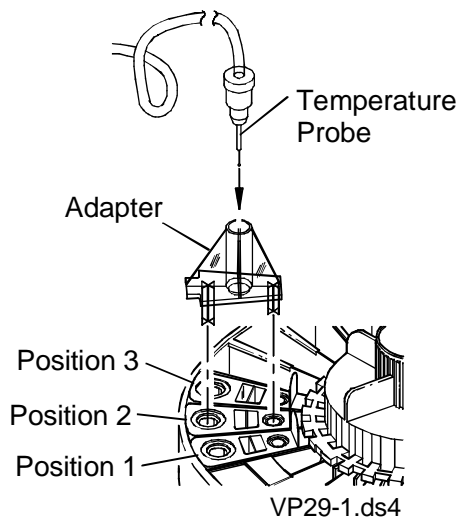
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4. (cont)
 - d. Move probe to position 2. Wait for monitor to stabilize (15 seconds).
 - e. Enter temperature:
■ STORE
 - f. Remove probe and adapter.
 - g. Close door.
5. Record temperature entered.
NOTE: Several cycles may be needed. If cycle continues to repeat without adjustments in recorded temperature, press CANCEL and refer to error codes 154, 156 and 157 in Chapter 2.

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6. Examine the results printout
(See example in Figure VP29-2).
7. Return to READY menu.

LCx MEIA TEMP CAL			
04/14/1997 10:24:45			
SERIAL # 1			
SYSTEM REV XX.XX			
		<i>Specification</i>	
LIQUID HEATER BLOCK	35.0	<i>Liq Heater Block</i>	35.0 ± 0.5
REAGENT HEATER	35.0	<i>Reagent Heater</i>	35.0 ± 0.5
CURRENT LIQ TEMP	33.8	<i>Current Liq Temp</i>	34.0 ± 0.2
MEIA SETPOINT	36.0	<i>MEIA Setpoint</i>	34.0 ± 0.7
REMOTE TEMP	35.9	<i>Remote Temp</i>	$\pm 1.5 \text{ of Setpoint}$
***** LCx MEIA TEMP CAL PASSED *****			

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