

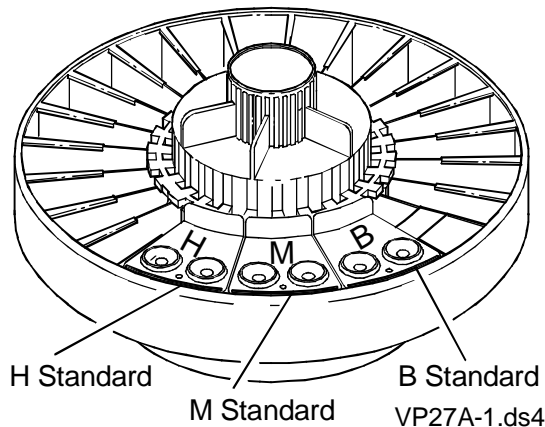
## VP-27A: MEIA PHOTO CALIBRATION (pg 1 of 2)



Time: 15-20 minutes

Purpose: To adjust the high voltage to yield the specific intensity value of the M Fluorescent Standard

1. Set up carousel (Figure VP27A-1).
2. Place carousel in analyzer.
3. Perform Photo Calibration:
  - MONITOR
  - CAL
  - PHOTO
  - START



## VP-27A: MEIA Photo Calibration (pg 2 of 2)

4. Evaluate printout (See example in Figure VP27A-2).

LCx MEIA PHOTO CAL				
05/30/1997 10:51:12				
SERIAL # 1				
SYSTEM REV XX.XX				
PARAMETERS				
	<u>Previous</u>	<u>Current</u>	<u>% Diff</u>	<u>Specification</u>
Slope	7.5138	7.5138	0.00	Slope $\pm 20\%$
Intercept	-41.1809	-41.1809	0.00	Intercept $\pm 20\%$
High Voltage	595.4			
Lamp Intensity	53015			
Lamp Current	16.9			Lamp current 4.2-29.8 mA
INTENSITY				
<u>Std #</u>	<u>Initial</u>	<u>Current</u>	<u>% Diff</u>	
B	573	573	0.0	
M	1021	1021	-0.5	M $\pm 5\%$
H	13061	13061	0.0	H $\pm 10\%$ ( $>10,000$ counts)
PRECISION				
	<u>Intensity</u>	<u>% Cv</u>		
Static	1014.05	0.04		Static $\leq 0.5\%$
Dynamic	1013.75	0.07		Dynamic $\leq 1.0\%$
***** LCx MEIA PHOTO CAL PASSED *****				

VP27a-2.ds4

- 5 Verification Procedures  
LCx<sup>®</sup> Analyzer Service Manual (Text P/N 47278-102)

## VP-27A: MEIA Photo Calibration

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Example printout  
(Figure VP27A-2)

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