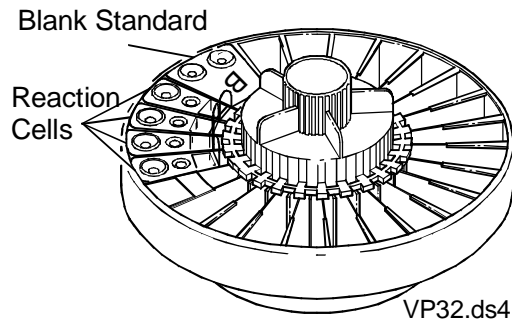## VP-32: MATRIX DETECTION (pg 1 of 2)

☣ Time: 2 minutes

Purpose: To verify that Matrix Detect Voltage is at the proper value

1. Load MEIA Carousel (Figure VP32).

Blank Standard

Reaction Cells

VP32.ds4

2. Close the door.
3. Print out System File 31:
   - SYSTEM
   - FILES
   - 31
   - PRINT
4. Enter MEIA Optics Hand Controls and adjust High Voltage:
   - MONITOR
   - HND_CNTL
   - OPTICS
   - SET HV

   Enter MTRX DET VOLT 31.29 from printout.
   - STORE
   - LAMP (Verify that lamp is ON.)

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5. Close door.
6. Wait for P= value to stabilize.
7. Press:
   - INDEX
   Record the P= values for positions 1-8.
8. Verify specifications for the P= values.
   Check 1: P= values for positions 1-4
   > parameter 31.30 value.
   Check 2: P= values for positions 5-8
   < parameter 31.30 value.
   Check 3: Lower value of positions 1 & 2
   minus the higher value of
   positions 7 & 8 $\geq$ 160.