



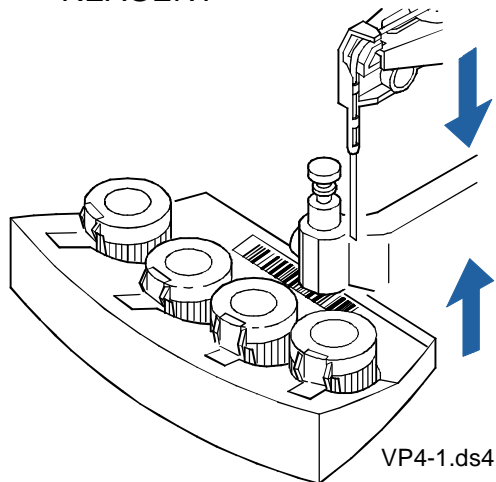
VP-4: BAR CODE CHECK (pg 1 of 3)

Time: 5 minutes

Purpose: To ensure that Reagent Pack and Carousel bar codes can be read

1. Home Boom:
 - UTILITY
 - PARK
 - EXIT
2. Place Reagent Pack in Reagent Heater Block.
3. Read Reagent bar code:
 - MONITOR
 - HND_CTRL
 - OTHER

3. (cont)
 - BAR_CODE
 - REAGENT



VP-4: Bar Code Check (pg 2 of 3)

4. Check Reagent Pack level:

- Using LEFT/RIGHT, move Bar Code Reader lights over White area on left end of Bar Code label. Note CNTS reading.
- Move Bar Code Reader over White area on right end of label.
- Note CNTS reading. Difference between CNTS readings should be <10. If difference >10, verify that Reagent Shroud and Reagent Pack are seated properly.

5. Check BLACK CNTS to WHITE CNTS difference:

- Move Bar Code Reader over Black area. Note CNTS reading.
- Move Bar Code Reader over White area. CNTS reading should be > 80.
- Difference between CNTS readings should be > 30. If difference < 30, perform Bar Code Adjustment (VP-5).

BARCODE	=	*	*	*	*	*	*	*	*	*	*	AMP=X0XXV	XXCNTS	1
REAGENT												LEFT	RIGHT	DONE

VP4-2.ds4

VP-4: Bar Code Check (pg 3 of 3)

6. Check for maximum counts (Figure VP4-1):
 - a. Move Bar Code Reader over White area.
 - b. Gently press down/up on boom arm.
 - c. If count increases with movement, perform Bar Code Adjustment (VP-5).
7. Verify that Bar Code Reader does not hit Reaction Cells in carousel.
8. Read Carousel Bar Code:
 - DONE
 - MEIA_CRSL
 - READ
9. If Carousel Bar Code is not read correctly, perform Carousel Bar Code Offset Adjustment procedure (VP-56).
10. If Carousel Bar Code is still not read correctly, check Black CNTS to Red CNTS difference:
 - a. Move Bar Code Reader over Red portion of label. Note CNTS Reading.
 - b. Move Bar Code Reader over Black portion of label. Note CNTS Reading.
 - c. Difference between CNTS Readings should be >30. If difference <30, perform Bar Code Adjustment (VP-5).
 - d. Repeat Bar Code Check from step #1.