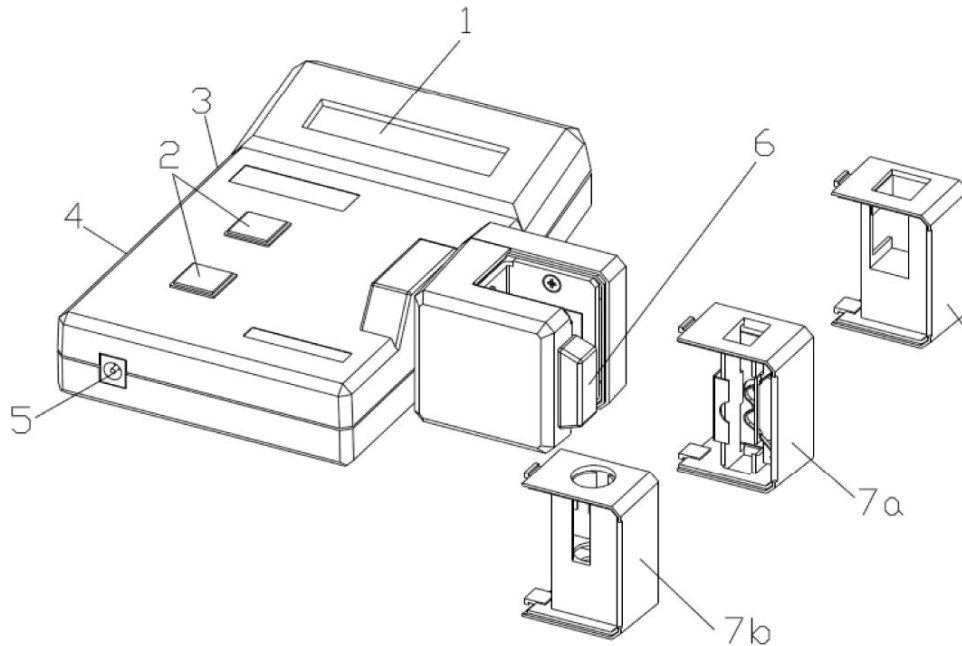


OVUCHECK READER®

FIG 1. Machine Components



1. LCD Display
2. Touch Buttons (SEL/ESC and READ/ENTER)
3. Centronic Receptacle (for optical printer – not included)
4. RS-232 Receptacle (for computer – not included)
5. Power Adapter/Battery Receptacle
6. Filter (inserted into the Optical Unit)
7. Well-Strip Holder (7A) or Round Cuvette Holder (7B)*

The Power Adapter is not shown on the diagram.

*Cuvette Holder is to be use with Ovuchek® Rapid tube

FIG 2. Filter Installation

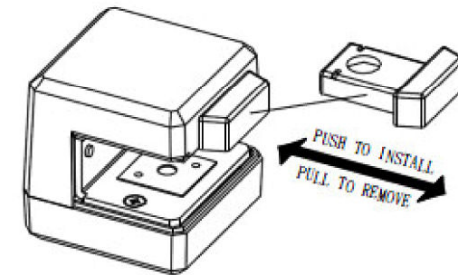


FIG3A. Installation of the Well-Strip Holder

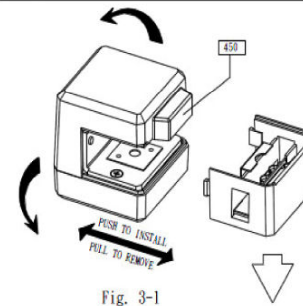


FIG3b. Installation of the Round Cuvette Holder

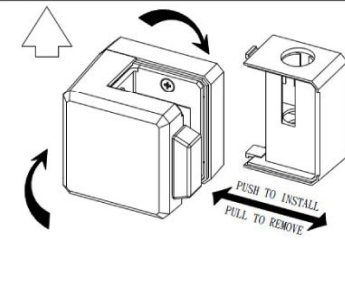
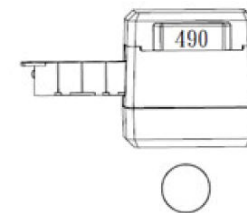
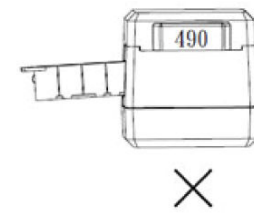


FIG 4 B. Insertion of the Strip (side view)



O Correct



X Incorrect



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OPERATION

1. Insert the appropriate filter into the optical unit (figure 2).
2. Insert the holder – for the tubes or the well-strips (figure 3A or 3B) – into the optical unit. Turn the optical unit into position so that the holder is horizontal for the well-strip or vertical for the tubes.
3. Insert the power adapter into the receptacle located at the left of the front side of the unit (figure 1, no. 5).
4. The LCD of the unit will display “SYSTEM MENU, 1:ABS MODE”
5. If the filter is not properly installed, the LCD will display “READ ERROR”. Check and ensure the filter is in the right position, and press the READ/ENTER button to repeat the last action. The LCD must display “SYSTEM MENU, 1: ABS MODE”.
6. **VERIFY CALIBRATION (SEE SECTION READER CALIBRATION)**

7. Press the READ/ENTER button. The LCD displays “ABS MODE, READ BLANK”.
8. Insert an empty well (or an empty tube) into the holder. The well-strips need to be inserted in the axis of the holder (see figure 4).
9. Press the READ/ENTER button. The unit reads and zeroes the empty tube/well-strip (which takes approximately five seconds) and the LCD displays “00 0.000 ABS, READ SAMPLE”.
10. Remove the tube/well-strip from the holder.

11. Push the first sample well or place the first sample tube into the read position.
12. Press the READ/ENTER button.
13. The Absorbance of the first sample is read (which takes approximately five seconds) and the LCD displays “01 X.XXXABS, SET NAME MX”.
14. Take note of the “X.XXX” value corresponding to the concentration of the sample (ex. X.XXX = 1.098)
15. Remove the well/tube from the holder.
16. Press the READ/ENTER button twice. The LCD displays “01 X.XXXABS, SET NAME MX READ SAMPLE”. (X.XXX being the sample concentration which has just been read.)

17. Push the next sample well or place the next sample tube to continue as previous steps.
18. Repeat steps 11 -16

19. Once all the samples have been read, turn off the machine by unplugging the power adapter.
20. Remove the filter from the optical unit and delicately place it in its protective case.

CALIBRATION

1. From the main menu “SYSTEM MENU, 1: ABS MODE”, press the SEL/ESC button repeatedly until the LCD displays “SYSTEM MENU, 7. CALIBRATION”
2. Press the READ/ENTER button. The LCD displays “ABS CALIBRATION, COEFF.= X.XXX” (**The default coefficient value must be 1.000.**)
3. If this is the case, press SEL/ESC to return to the main menu “SYSTEM MENU, 1: ABS MODE”. If it is not the case, press the READ/ENTER button. The LCD displays “ABS CALIBRATION, 1: KEY IN COEFF”.
4. Press the READ/ENTER button, then press the SEL/ESC button to change the number to obtain 1.000.
5. Once the value of 1.000 is set, press on the ENTER button, then on the ESC button to return to the main menu “SYSTEM MENU, 1. ABS MODE”.

WARNING

1. The machine can measure a maximum optical density of 2.500.
2. The machine must be turned on at least five minutes before being used.
3. Do not spill liquid into the optical unit.
4. Do not touch the central part of the filter with your finger

