



- Do not run tap water through the unit.
 - Do not run the unit dry.
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Running a Flush Cycle



In order to prepare the system to dispense media for a dissolution test it is recommended to run a Flush prior to dispensing. This cycle allows the unit to equilibrate properly and reduce the likelihood of cross contamination when changing media.

If either of the following two criteria are met, it is recommended to run a Flush cycle:

- Media change (WASH Cycle ran)
 - System has been idle for over 45 minutes
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1. Place the inlet line into the test media.
2. Place a vessel or empty beaker under the dispensing tip or remote handle.
3. Press the **Flush** button.
4. When complete the unit will display IDLE. Discard the media.

Running a Standard Cycle

1. Place the inlet line into the test media.
2. Press the **Setup** button.
3. The Vessel Volume LED will illuminate. Using the **up/down arrow** keys enter the desired volume in mls.
4. Press the **Setup** button.
5. The Vessel Temperature LED will illuminate. Using the **up/down arrow** keys enter the desired temperature in degrees Celsius ($^{\circ}\text{C}$, maximum of 45°C).
6. Press the **Setup** button.
7. If the set volume is greater than 500 mls proceed to Step 9.
8. If the set volume is less than or equal to 500 mls the Automation LED will illuminate. The unit will display VSL.X where X represents the number of vessels to dispense. Using the **up/down arrow** keys set the value to 1. See Running a Multiple Dispensing Cycle below for more information.
9. Place a vessel under the dispensing tip or place the remote handle into the vessel.
10. Press the **Run** button.

Running a Multiple Dispensing Cycle (volume equal to or less than 500 mls)



The unit's dispensing mechanism is capable of drawing up to 1000 mls per cycle. In order to minimize cycle time it is possible to dispense multiple vessels within one cycle. For example, if dispensing 500 mls, the unit can dispense two vessels in one action. This virtually cuts the dispensing time in half for two vessels. In addition for 250 mls volumes the unit can dispense four vessels in one cycle. The maximum number of vessels is automatically calculated.

1. Place the inlet line into the test media.
2. Press the **Setup** button.
3. The Vessel Volume LED will illuminate. Using the **up/down arrow** keys enter the desired volume in mls.
4. Press the **Setup** button.
5. The Vessel Temperature LED will illuminate. Using the **up/down arrow** keys enter the desired temperature in degrees Celsius ($^{\circ}\text{C}$, maximum of 45°C).
6. Press the **Setup** button.
7. The Automation LED will illuminate. The unit will display VSL.X where X represents the number of vessels to dispense. Using the **up/down arrow** keys set to the desired value.
8. Press the **Setup** button.
9. Place a vessel under the unit or place the remote handle into the vessel.
10. Press the **Run** button.
11. Once the first vessel is complete the unit will beep. Remove the vessel and place an empty vessel under the dispensing tip or place the remote handle in the next vessel.
12. Press the **Run** button.
13. Repeat Steps 8-10 until all vessels have been dispensed.

Washing the System

1. Hold the **Wash** button for 2-3 seconds.
2. The unit will display RUN.X where X represents the number of Wash cycles (1-8 cycles). Using the **up/down arrow** keys set to the desired value.
3. Press the **Wash** or **Setup** button to save the setting.
4. Disconnect the dispensing tip using the quick release button and connect the supplied wash tubing line.
5. Place the inlet line into DI Water (or other suitable wash media) and the wash tubing line into a waste container.
6. Press the **Wash** button to begin the cycle.
7. The unit will display IDLE upon completion.