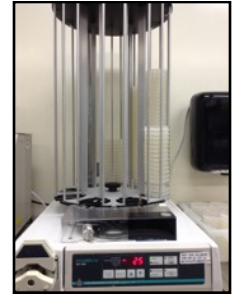


Changing the Carousel for the Plate Pouring Machine

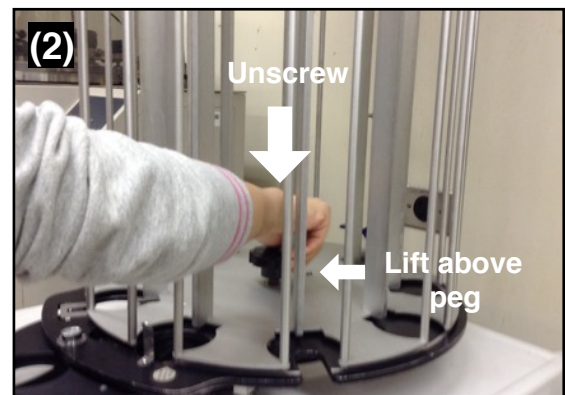
The Plate Pouring Machine setup default is for pouring **6 cm Petri plates**. This protocol is for setting up the machine to pour **10 cm Petri plates**.

Use this same procedure to switch back to the 6 cm plates setup



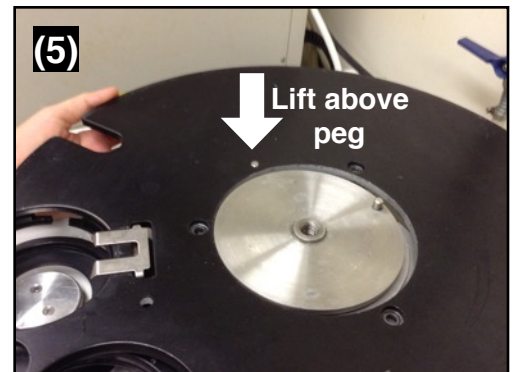
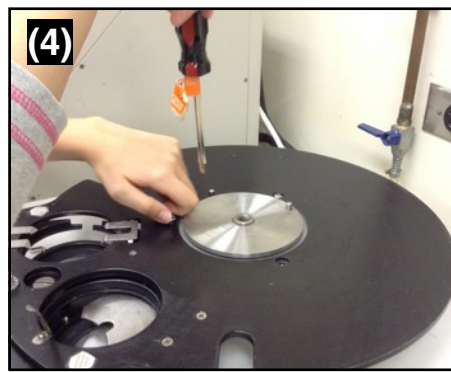
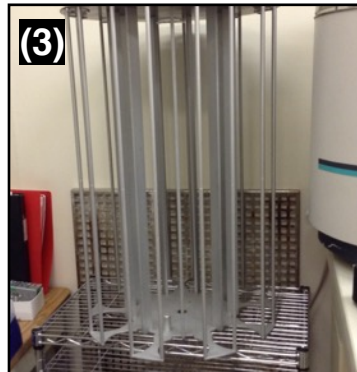
NOTE: The plate pouring machine is located in Cook 3120.

1. Remove the plastic cover - when this is on, it engages the UV light when the Pouring Machine is turned on (Fig.1).



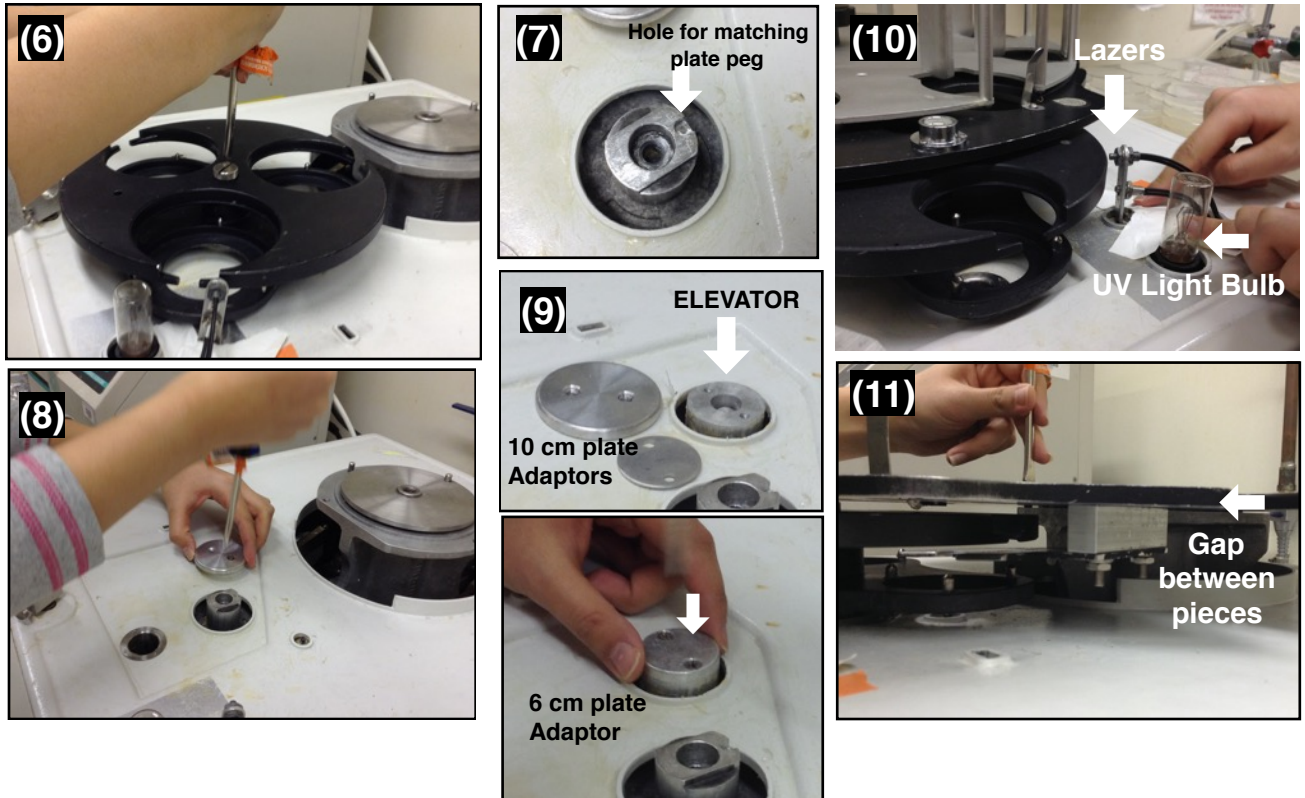
2. Unscrew the large knob in the center of the 6 cm-plate sized carousel and lift it off from the bottom platform (Fig.2).

NOTE: Store the carousel and all parts not in use on the metal wire shelf located to the left of the machine table (Fig.3)



3. To remove the **large base platform**:
 - Locate the large flathead screwdriver in the tools container on the table located to the left machine table.

- Unscrew the 3 screws that attach the platform (Fig.4). **DO NOT lose the screws!**
- Gently lift the platform up - to fully remove the platform, you will need to simultaneously lift it above the locking peg and then rotate it counter-clockwise to avoid hitting it against the small rotating platform (Fig.5).



4. To remove the **small rotating platform**:

- Loosen the central screw using the flathead screwdriver and remove it (Fig.6).
- Lift the platform up and remove it. *Be careful not to bump the delicate laser detectors or UV light bulb (Fig.10).*

5. To switch out the **elevator adaptor disk**:

- Locate the large Phillips screwdriver in the tools container on the table located to the left machine table.
- Unscrew the 2 screws that attach the disk. **DO NOT lose the screws!** Place the disk(s) in the small Petri plate on the tools table and find the alternate disk(s) (Fig.8).
NOTE: There are 2 disk pieces for the 10 cm adaptor and 1 disk piece for the 6 cm adaptor (Fig.9).
- Place the desired adaptor disk on the elevator and attached with the 2 screws.

6. Adjust the **laser detectors**: push them all the way back if loading the 10 cm plate setup or all the way forward for the 6 cm plate setup. Use the tape to hold the laser mount in place (the holding screws don't work anymore!) (Fig.10).

NOTE: The tips of the lasers should be 2-3 mm away from the edge of the plates when installed.

7. To install the **small rotating platform** of desired size, reverse the procedure in Step 4.
***NOTE:** To put the platform on there is only one possible orientation - you will need to match the peg on the platform with the hole in the shaft (Fig.7). The easiest way is to slide the platform along the parallel slots from the side into position on the shaft. Replace and tighten the central holding screw.*
8. To install the **large base platform** of desired size, reverse the procedure in Step 3.
***NOTE:** To put the platform on there is only one possible orientation - you will need to match the hole on the platform with the peg on the central rotor (Fig.5). Also when tightening the 3 screws, do so evenly a little at a time to ensure the platform is completely horizontal and that there is no gap between the underside of the platform and rotor plate below it (Fig.11)*
9. To install the **carousel** of desired size, reverse the procedure in Step 2.
***NOTE:** To put the platform on there is only one possible orientation - you will need to match the hole on the carousel with the peg on the large base platform (Fig.2). Replace and tighten the central holding screw.*
10. Once assembled, and before adding your plates to the carousel, turn on and run the machine through a cycle of pouring with a few practice plates (but no nozzle) to align all components and ensure it is working correctly.