PDMS Quick Cure Procedure

1. Ensure oven is preheated to 60-65°C; this is approximately the setting of 5 on the oven. It usually takes a little time for the temperature reading to level out and may require fine adjustment of the knob.

2. Place all desired chips on aluminum foil inside of oven. Try to keep the door open as little as possible to keep temperature close to 60-65°C. This would mean loading each class as a batch.

3. Remove chips from oven after 10 minutes and leave on a level surface (i.e. table by oven) to continue curing. Chips should not be 100% cured on removal from the oven. This is intentional so chips can level out while they finish curing.

4. Chips should be ready for use within a couple of hours or the next day, depending on the amount of chips originally in the oven. Err on side of too much time.

5. If a more rapid curing is absolutely required, lower the temperature of the oven to approximately 50°C and cure until complete. While doing this check the chips frequently to avoid any deformations to the petri dish as this is an indicator of wafer possibly being damaged.