**Slicing: General Notes**

1. Supplies
   * Black box
   * Small black circle + screw
   * Screwdriver (red)
   * Glue
   * Tweezers
   * Serological pipette (PBS)
   * 12-wells or 24-wells
   * PFA waste cup (on shelf)
   * Paper towels
   * Kimwipes
   * Blade (one for slicing; one for cutting off cerebellum)
   * Blade holder + knob
   * Paintbrushes
   * Tape
2. Label well plates w/ tape + fill with PBS or 0.01% sodium azide (fridge) using serological pipette.
3. Turn on vibratome
4. Place black box in vibratome + secure using little arm
5. Place paper towels on all sides underneath to avoid leakage into machine
6. Use red screwdriver to secure black circle into black box with screw
7. Obtain brains from fridge (conical tubes filled with PFA)
8. Dump PFA into waste cup
9. Put brain on kimwipe to absorb excess liquid
10. Use blade to cut off cerebellum (flat surface to glue down)
11. Use tweezers to place on super-glued surface of black circle
    * Can mount as many as you can fit/are comfortable with
12. Allow to dry; supplement with more glue if they’re still shaky
13. Once dry, fill black box with PBS until brains are submerged
14. Attach slicing blade to blade holder and screw in
    * Attach to vibratome with black knob; secure
15. Ready to slice!
16. Check settings
    * 50um slices
    * Speed (6-9) \*8.5-8.7 works best
    * Frequency (7-8)
    * Set START and STOP positions
17. Can chop off large chunk of brain if slicing only vCA1
18. Take every slice/every other depending on what you want
19. 10-15 slices per large well
20. Once done; clean up + place slices in sodium azide (if needed); parafilm over wells inside lid.