

Xu lab protocol and instructions

CO staining

- Transfer slices into a 24 well tray if needed. Rinse slices with PBS 3 times
- Prepare CO-DAB solution (10 ml):

4 mg cytochrome oxidase C

3 mg catalase

5mg DAB (use frozen DAB 1% 1ml) in 10 ml PBS

- Put enough CO-DAB solution (0.4-0.5 ml per well), and leave the tray in a shaker at room temperature for 8-12 hours until sections get yellowish brown (Check CO sections and don't leave them alone.)
- Rinse CO sections with 4 times of PBS (5' each) to stop reaction.

[[P.S. DAB is a biohazard. Please be cautious, and wear gloves and bleach the contained glassware, and collect the first CO rinse for the special container.]]

- Wet-mount slices on the subbed slides, dry overnight, then proceed with dehydration and defatting.
- Keep slices in Xylenes until being cover-slipped with Krystalon in a chemical hood.