

Mounting Stained AM Roots for Microscopy

Supplies needed:

Gloves
Glass pipette & bulb
PVLG
Small scissors
Fine forceps
Several glass petri dishes
Slides
Long cover slips
Labeling tape

1. Wear gloves
2. Remove roots from Histo cassettes and cut into 1 cm segments
3. Spread a light coat of PVLG on a slide using a cover slip.
4. Place 1 cm segments on slide so they are parallel to each other. Make 2 long rows of parallel segments on each slide.
5. Do two slides per sample so there is at least 50 1 cm segments total.
6. Add a little more PVLG and add a slide cover. Press firmly down on the slide cover to squish the roots slightly. Thick roots will be impossible to read without squishing them at this point.
7. Place in drying oven at 65°C for a few days. Be careful, if drying oven is too hot (75°C or above) the PVLG will boil out from under the slide cover and the roots will spill out with it.
8. Wash the excess PVLG from the slide by washing in a soap/water mixture and rinse under running water.
9. Dry overnight.