

Body size and symbiotic status influence gonad development in *Aiptasia pallida* anemones

Symbiosis

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Protocol for modified Masson trichrome staining after sectioning and mounting, including the solution, duration, and relevant brand information

Solution	Duration	Brand Used
1. Citrisolv I	3 min.	Fisher Scientific (Pittsburgh, PA)
2. Citrisolv II	3 min.	Fisher Scientific
3. Citrisolv III	3 min.	Fisher Scientific
4. 100% ethanol	3 min.	Pharmco Aaper (Belmont, NC)
5. 100% ethanol	3 min.	Pharmco Aaper
6. 100% ethanol	3 min.	Pharmco Aaper
7. 95% ethanol	3 min.	Pharmco Aaper
8. 80% ethanol	3 min.	Pharmco Aaper
9. Deionized water	5 min.	
10. Bouin's solution	Overnight in hood	ScyTek Laboratories Inc. (Logan, UT)
11. Wash (running water) and rinse for 1 min (deionized water)	Wash until yellow disappears	
12. Weigert's iron hematoxylin	5 min.	Sigma Aldrich (St. Louis, MO)
13. Wash (running water) and rinse for 1 min (deionized water)	5 min.	
14. Biebrich scarlet-acid fuchsin	5 min.	ScyTek Laboratories Inc.
15. Deionized water	1 min.	
16. Phosphomolybdic/phosphotungstic acid	10 min.	ScyTek Laboratories Inc.
17. Aniline blue	5 min.	ScyTek Laboratories Inc.
18. Deionized water	1 min.	
19. 1% acetic acid	3-5 min.	Ricca Chemical (Arlington, TX)
20. 95% ethanol I	3 min.	Pharmco Aaper
21. 95% ethanol II	3 min.	Pharmco Aaper
22. 100% ethanol I	3 min.	Pharmco Aaper
23. 100% ethanol II	3 min.	Pharmco Aaper
24. Citrisolv I	5 min.	Fisher Scientific
25. Citrisolv II	5 min.	Fisher Scientific
26. Citrisolv III	5 min.	Fisher Scientific
27. Permount (for coverslipping)	Let sit overnight to dry	Fisher Scientific