

Leptosoma rosea stained blue and viewed microscopically (#1, 3, 4 cross sections; #2 surface view)

- 1. mature blade with outer layers (cortex, *co*) of small cells, inner layer (medulla, *med*) of a row of *large*, oval cells (*med c*) either side of a central space becoming filled with threads (filaments, *fil*) and small cells of mixed sizes (A44206 slide 14069)
- 2. a focus through the surface cells to expose the innermost branched threads of the medulla (A51274 slide 14058)
- 3. young blade with central space of the medulla (med sp) and tetrasporangia (t sp) in the cortex (A33872 slide 14064)
- 4. mature female structure (cystocarp, cys) with basal nutritive threads (nutr fil) mass of carposporangia (ca sp) and cellular wall (pericarp, peri) of rows of small cells (A44206 slide 14069)



Specimens of Leptosomia rosea (Harvey) Womersley from S Australia

- 5. from 1-2m deep, Robe on *Amphibolis* stem (A54302)
- 6. drift specimen from Cape Jaffa (A61787)
- 7, 8. stained blue and viewed microscopically, surface views (A57848 slide 10485)7. ring patterns (rosettes) of cells
 - 8. mature female structures (cystocarps) with prominent openings (ostioles)
- 9, 10. magnifications of a blade base with the holdfast wrapped around a seagrass stem and a ruffled upper blade with pustulate cystocarps (A61787, slide 10485)