

*Pseudocodium
australasicum* Womersley

50.730

Techniques needed, and plant shape



Classification

Phylum: Chlorophyta; Order: Bryopsidales;
Family: Pseudocodiaceae

*Descriptive name

flat green tufts

Features



plants dark green, about 60mm tall, of *irregularly* forked, *compressed* branches 1-2mm wide

Special requirements



cut a cross section of a compressed branch and view microscopically the central (medullary) entwined threads (filaments) with cross walls *absent*, branching centrifugally, ending in stubby tips (utricles) that form a firm outer layer (cortex)

Occurrences

S W. Australia to Pt Sinclair, S. Australia

Usual Habitat

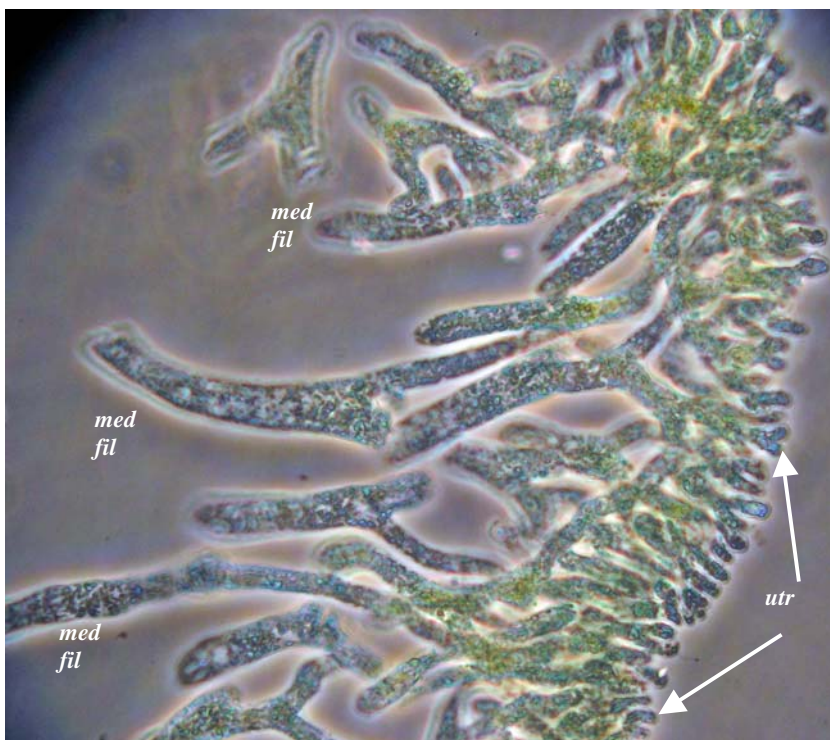
in shallow water on rock

Similar Species

superficially like some *Chaetomorpha* species, but these have chains of cells visible when magnified.

Description in the Benthic Flora Part I, pages 246, 250-251

Details of Anatomy



Cross sections of *Pseudocodium australasicum* (slide 042) stained blue and viewed microscopically, showing:-
1. inner, unconnected threads (medullary filaments, *med fil*) with no cross walls branching to stubby tips (utricles, *utr*) that form a compact outer layer (cortex)
2. highly magnified thread tips (utricles, *utr*)

* Descriptive names are inventions to aid identification, and are not commonly used
"Algae Revealed" R N Baldock, S Australian State Herbarium, June 2005



Pseudocodium austrasicum Womersley (A36176) from Pt Sinclair, S. Australia

* Descriptive names are inventions to aid identification, and are not commonly used
"Algae Revealed" R N Baldock, S Australian State Herbarium, June 2005