

***Entocladia viridis* Reinke**MICRO  
PLANT**Techniques needed, and shape****Classification**

Phylum: Chlorophyta; Order: Chaetophorales; Family: Chaetophoraceae

**\*Descriptive name**

cell-wall endophyte

**Features**plants consists of green, microscopic threads lying within the cell walls of algae such as *Enteromorpha* and *Cladophora***Occurrences**

probably world-wide. In southern Australia, from Victor Harbor and Nora Creina, S Australia. Reported also for Sydney and Melbourne.

**Special requirements**

view host algae under the microscope to find

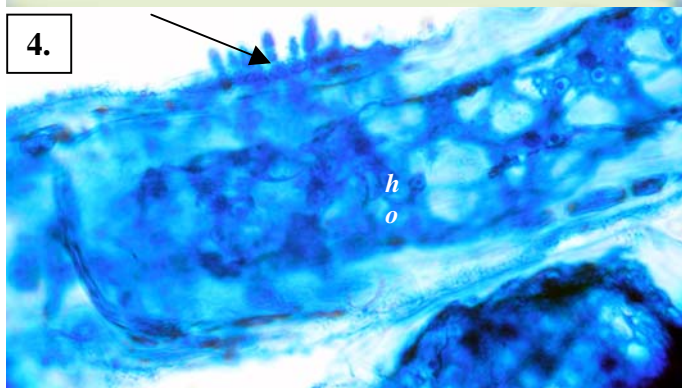
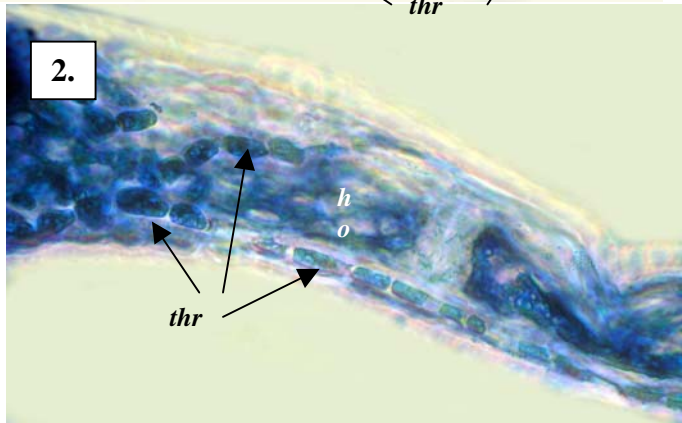
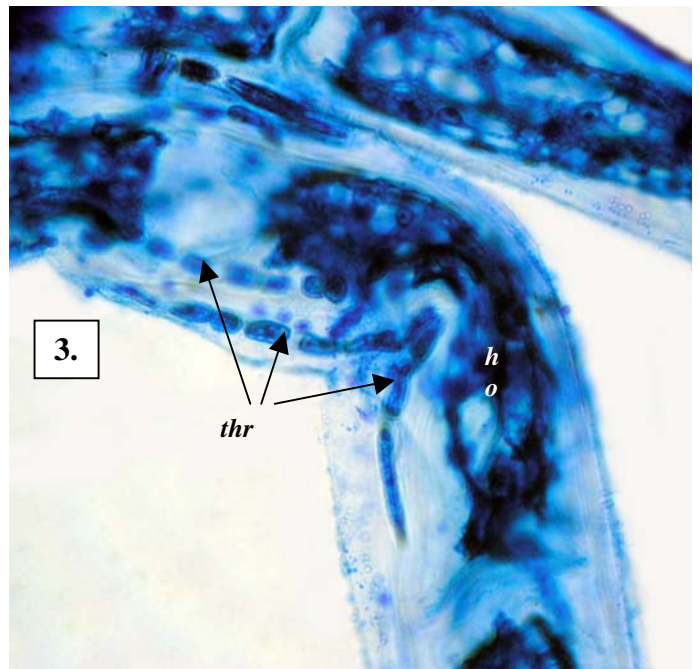
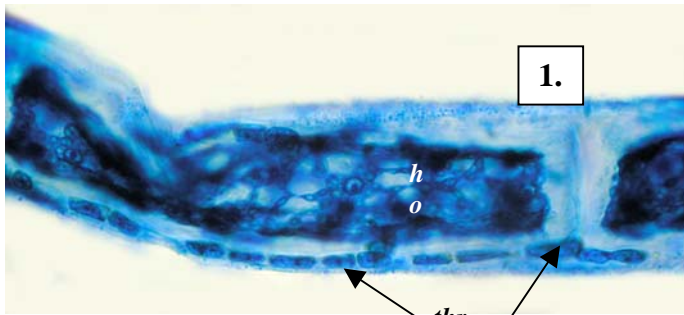
1. loose, branched chains of small cells lying **within** the host cell wall
2. irregular shaped cells 6–7µm across, L/B = 1-2, with chloroplasts usually containing **1 pyrenoid**

**Usual Habitat**

probably a common endophyte of larger algae, but few collections have been documented.

**Similar Species**

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**Description in the Benthic Flora** Part I, pages 130, 132, 133**Details of Anatomy**

*Entocladia viridis* Reinke, (A52833 slide 6754) within the host *Cladophora rhizoclonioidea* (ho) stained blue and viewed microscopically:

- 1.,2.,3. branched threads (*thr*) viewed from side and surface views
4. rare upright threads (arrowed) of varying size viewed from the side