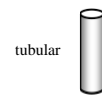


Techniques needed and plant shape



MACRO
PLANT



Classification

Phylum: Chlorophyta; Order: Bryopsidales; Family: Codiaceae

*Descriptive name

pale forked velvet-weed

Features

plants yellow-green to 1m tall, branches cylindrical, 4-7mm in diameter forked many times, rubbery with a velvety surface

Special requirements



shave off or tease out a few of the microscopic outer structures (utricles) and view them under the microscope. Utricles with **thickened** caps and helmet shaped (**galeate**) tops, 750-1300µm long and 200-500µm in diameter

Occurrences

common from central W Australia to Tasmania and northern NSW

Usual Habitat

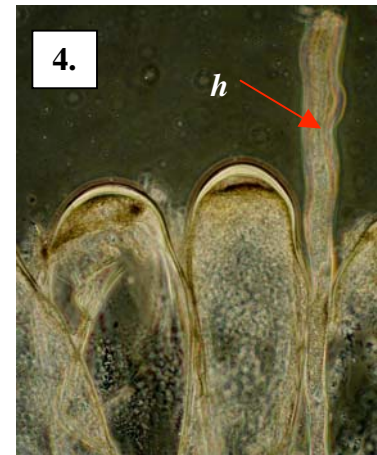
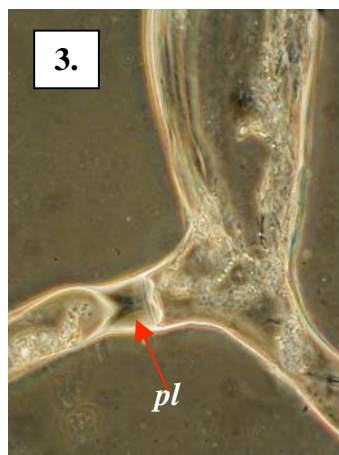
on rock from low water level to 37m deep, on rough water coasts

Similar Species

similar to several of the upright, tubular species, but the regular forked branching and helmeted (galeate) utricles are unique to *Codium galeatum*.

Description in the Benthic Flora Part I, pages 231, 233, 235

Details of Anatomy



Preserved (bleached) specimens of *Codium galeatum* (A19382) viewed microscopically at various magnifications showing

1. cluster of detached utricles using dark field imaging to emphasize the thickened caps
2. base of a utricle showing its extension into filaments one of which contains a conspicuous plug (*pl*) close to the utricle
- 3, 4. utricle tops with thickened end walls and helmet shaped (galeate) caps, more pronounced in #3. Image #4 also has a portion of a long hair (*h*).

* Descriptive names are inventions to aid identification, and are not commonly used
Algae Revealed” R N Baldock, S Australian State Herbarium, September 2003



Two magnifications of *Codium galeatum* J. Agardh, (A18664) from Pt Elliott, S. Australia

* Descriptive names are inventions to aid identification, and are not commonly used
Algae Revealed" R N Baldock, S Australian State Herbarium, September 2003