

Dictyota naevosa
(Suhr) J Agardh

34.390

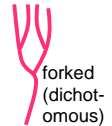
Techniques needed and plant shape



MACRO
PLANT



flat-bladed



forked (dichotomous)

Classification

Phylum: Phaeophyta; Family: Dictyotaceae; Tribe: Dictyoteae

*Descriptive name

brown rabbit-ears

Features



1. plants brown, of flat, **broad** blades, **forked** (dichotomous) mainly at the base
2. blades flecked with patches of hairs or sporangia, often in vertical lines (**strings**), or vague **bands** across the blades

Variations

short filaments at the base of the plant, or short proliferations if damaged

Special requirements



1. view the **single** dividing apical cell at the blade tip
2. slice across a blade to view the **single** middle (**med**) row of large transparent cells and **single** row of small dark cells in the surface (cortex, **co**) layer from S W Australia to Aldinga S Australia and S Africa

Occurrences

Usual Habitat

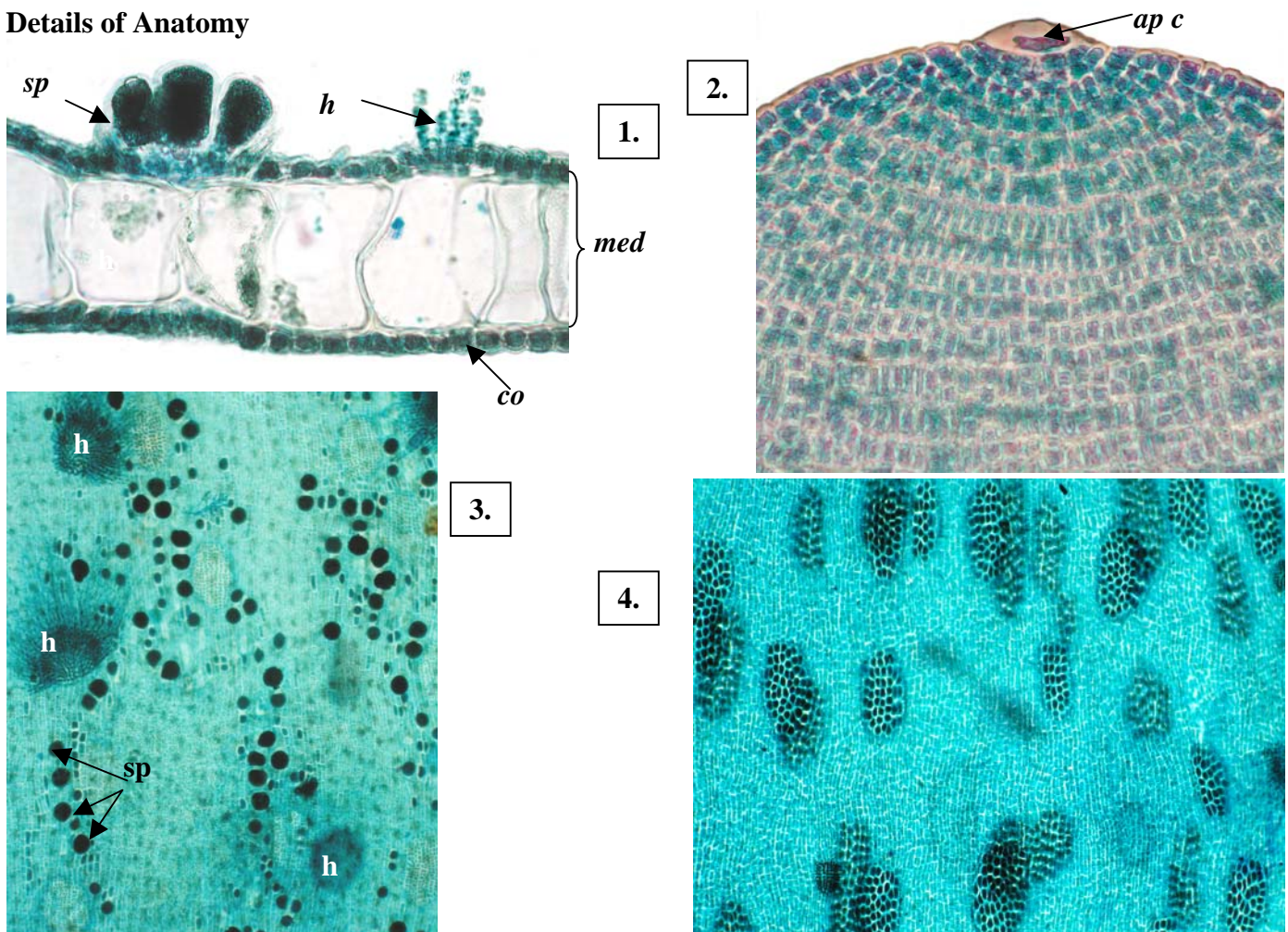
Similar Species

on rock, often near sand, with good current flow,

1. *Dictyota diemensis*, but sporangia of this species have a stalk (pedicel) of several cells and the blades are generally narrower
2. *Dilophus robustus*, but this has 2-5 cell rows in the medulla

Description in the Benthic Flora Part II, pages 190-192

Details of Anatomy



1. cross section showing the single row of large middle (medulla, *med*) cells, single row of surface (cortex, *co*) cells, group of sporangia (*sp*) and hairs (*h*) located on the upper surface (slide 9355)
2. protruding apical cell (*ap c*) (slide 9357)
3. strings of sporangia (*sp*) and hair tufts (*h*) on blade surface (slide 9357)
4. spindle-shaped groups of oogonia ("eggs") vaguely in vertical lines seen on a surface of a blade (slide 9359)

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

Dictyota naevosa
(Suhr) J Agardh
(A13602h), a drift
plant from Point
Sinclair, S Australia



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"Algae Revealed" R N Baldock, S Australian State Herbarium, July 2003