

Prasiola crisa
(Lightfoot) Meneghini

50.490



MICRO
PLANT



Techniques needed and plant shape

Classification



Phylum: Chlorophyta; Order: Prasiolales (Schizogonales); Family: Prasiolaceae

***Descriptive name**
Common name:

guano-blades (referring to the usual habitat in bird colonies).
Oka-nori

Features

plants green-brown of small cup-shaped or crinkled blades 1-2mm across, forming dark masses

Variations

blades may be partly cyst-shaped (vesicular)

Special requirements



view microscopically the small box-shaped cells in **irregular** groupings or packets each with a single **central** chloroplast (sometimes star-shaped) and single pyrenoid

Occurrences
Usual Habitat

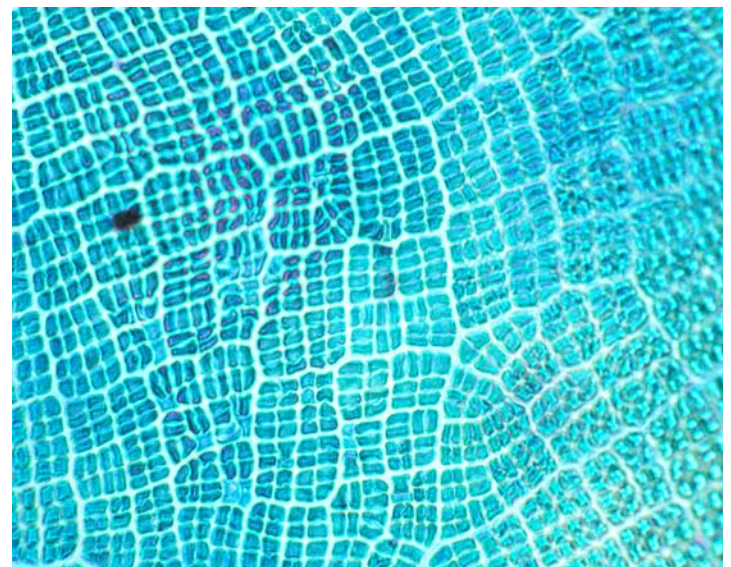
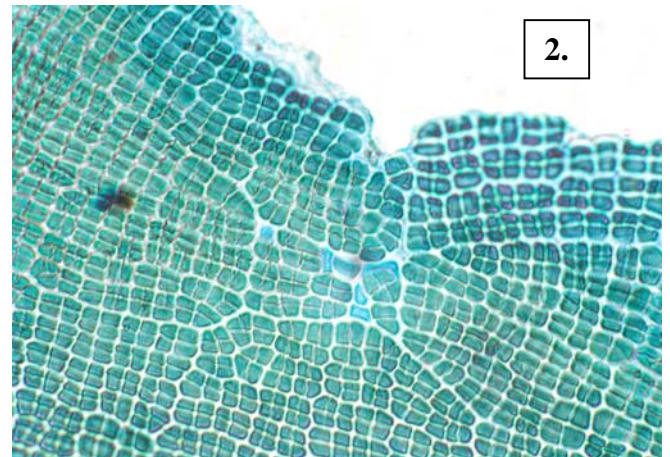
N Europe, Antarctic, sub-Antarctic regions, Tasmania
on rock well above high tide-mark, in bird colonies

Similar Species

large plants are similar to *Enteromorpha* or immature *Ulva*, but are a single cell thick. The single **central** chloroplast (sometimes star-shaped) separates *Prasiola* from cells of Ulvales

Description in the Benthic Flora Part I, pages 163,165

Details of Anatomy



Prasiola crisa stained blue and viewed microscopically at different magnifications

1. part of a blade about 2mm wide, showing the folds and crinkles especially at the edges (slide 7620)
- 2, 3. details of box-shaped cells of, in irregular packets (#2: slide 7818; #3 slide 7620)



Prasiola crista(Lightfoot) Meneghini (A53837) from Lady Bay, Southport, Tasmania, in a bird roosting area, on rock, 3-4m above high tide, in spray