

***Penium polymorphum* (Perty) Perty, 1852**

Most likely ID: n.a.

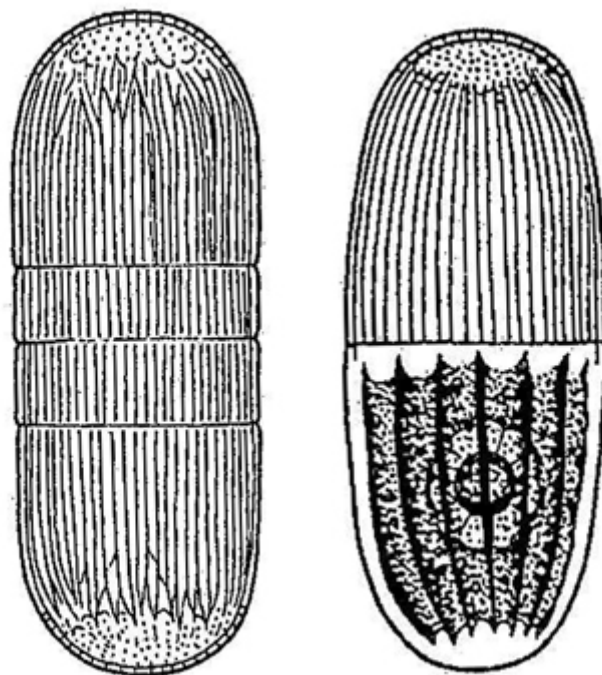
Synonym: n.a.

Sampling location: Sima Moor (Austria)

Phylogenetic tree: [Penium polymorphum](#)

Diagnosis:

- cells cylindrical or ellipsoidal with rounded ends
- length 35-75 µm
- cell wall with longitudinal striae, pass into reticulate pattern at apices
- 1-4 girdle bands
- two stelloid chloroplasts with longitudinal ribs and one pyrenoid



after Förster

Penium polymorphum

I found *Penium polymorphum* in July 2017 in the Sima Moor (Austria). The alga is not present in my local sites.

The cells of *Penium polymorphum* are cylindric-oval with each one stelloid chloroplast per semi-cell. The cell wall shows a characteristic pattern. In the middle an almost parallel longitudinal striation is visible what pass into a reticulate pattern towards the apices.



Fig. 1 a-b: *Penium polymorphum*. L = 57 μ m. Two focal planes of a specimen found in July 2017 in the sima Moor. Note the longitudinal striation (LS) of the cell wall which pass into a reticulate pattern (RP) towards the apices. Obj. 100 X.