## Cosmarium vogesiacum Lemaire, 1883

Most likely ID: n.a.

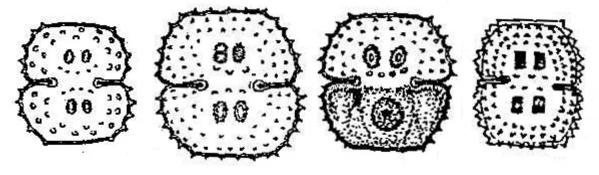
Synonym: n.a.

Sampling location: Simmelried

Phylogenetic tree: Cosmarium vogesiacum

## **Diagnosis:**

- semi-cell trapezoidal with flattened apex
- length 19-23 μm, width 18-22 μm
- sinus narrow, dilated to the margin
- lateral margins of semi-cells with 5-7 granules
- parallel to margin von semi-cells 2-3 rows of granules
- in the center of the semi-cells 2 elliptical warts
- parallel to sinus two rows of granaules
- one pyrenoid per semi-cell



after Lenzenweger

## Cosmarium vogesiacum

So far I have only found Cosmarium vogesiacum in the Simmelried. However, I have only been able to find it there in the last 2 years. I cannot rule out the possibility that Cosmarium vogesiacum was already present before, but then only sporadically at most. In the meantime, the species has become very stubborn and I mainly find it in a shallow siltation zone. The specimens shown below are from July and September 2023.

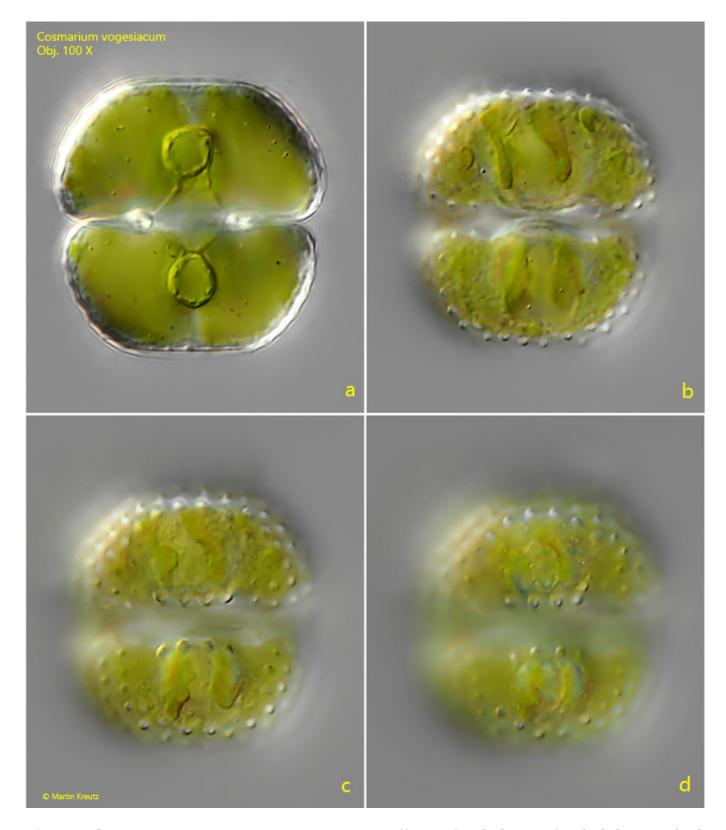


Fig. 1 a-d: Cosmarium vogesiacum.  $L=32~\mu m$ . Different focal planes of a slightly squashed specimen. Obj. 100 X.

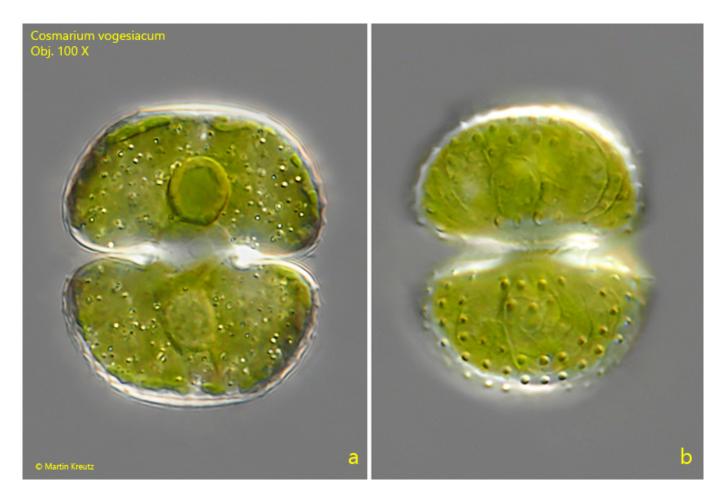


Fig. 2 a-b: Cosmarium vogesiacum.  $L=33~\mu m$ . A second, slightly squashed specimen. Obj. 100 X.