Euastrum rhomboidale

(Ducellier) Coesel & Meesters, 2023

Most likely ID: n.a.

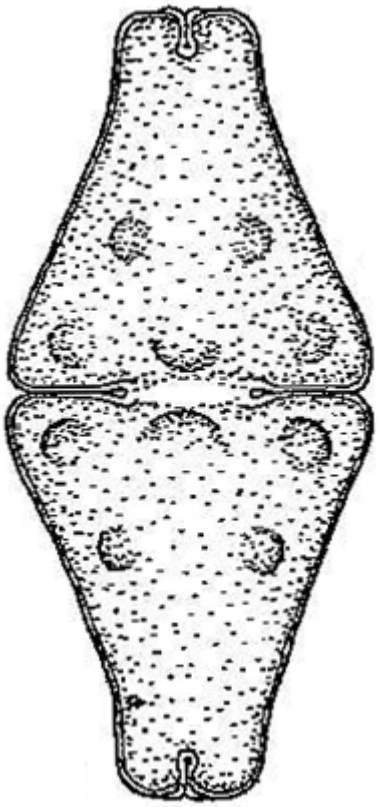
Synonym: *Euastrum ansatum* var. *rhomboidale*

Sampling location: Lauchsee Moor (Austria)

Phylogenetic tree: *Euastrum rhomboidale*

Diagnosis:

- semi-cells rhompoid, lateral margins straight
- length 70–108 µm, width 40–50 µm
- apices flat
- apical lobe separated by deep incision
- semi-cells with each 5 inconspicuous protuberances
- cell wall with fine pores
- sinus deep, linear



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So far, I have only found *Euastrum rhomboidale* in the Lauchsee Moor in Austria. Until 2023, *Euastrum rhomboidale* was considered a variant of *Euastrum ansatum* and then elevated to its own species by Coesel & Meesters.

A key feature of *Euastrum rhomboidale* are the straight, lateral margins of the semi-cells. They are not concavely shaped like in the similar species *Euastrum ansatum*.

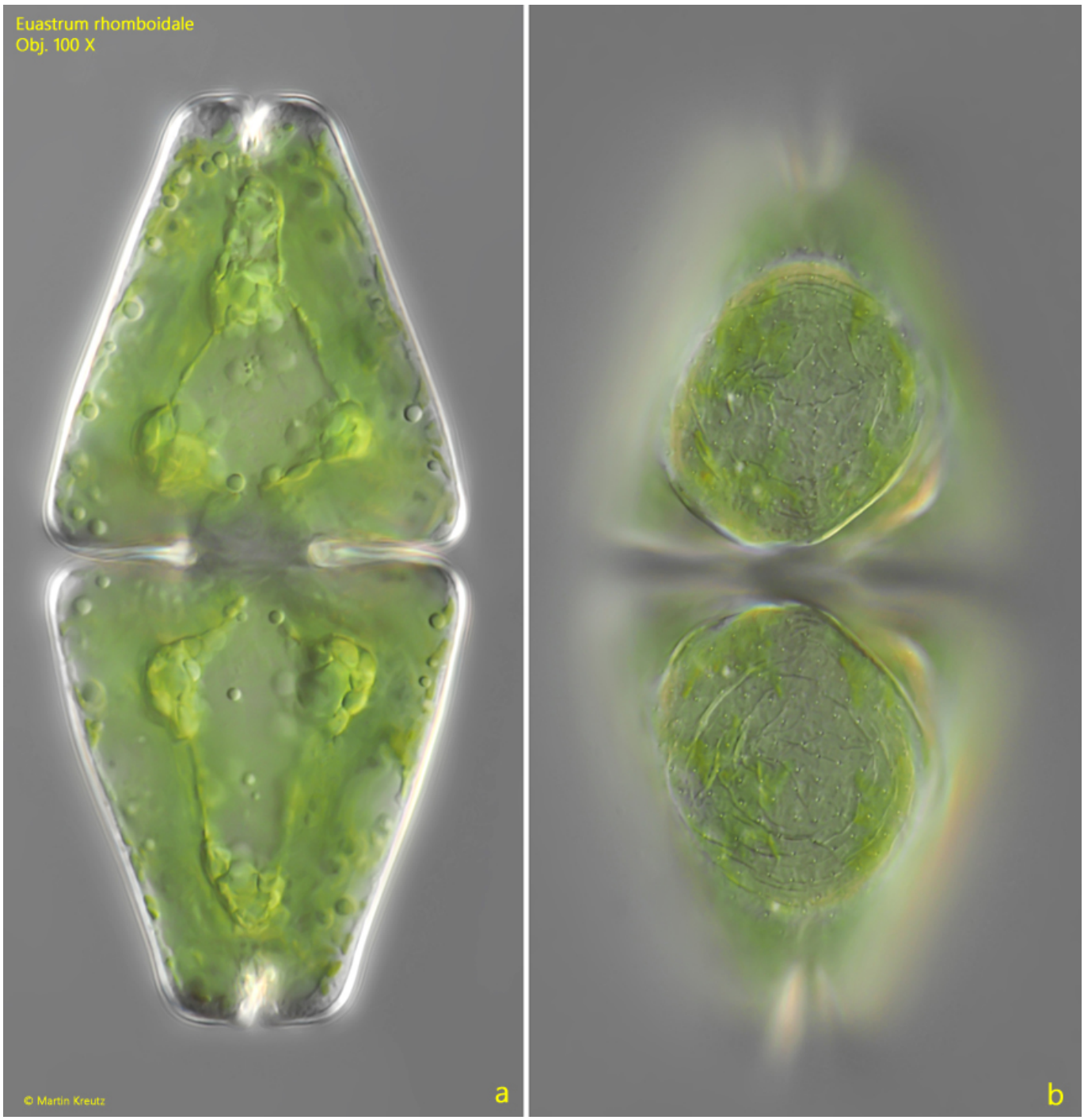


Fig. 1 a-b: *Euastrum rhomboidale*. L = 105 µm. Two focal planes of a specimen in DIC. Note the small pores covering the cell wall (b). Obj. 100 X.

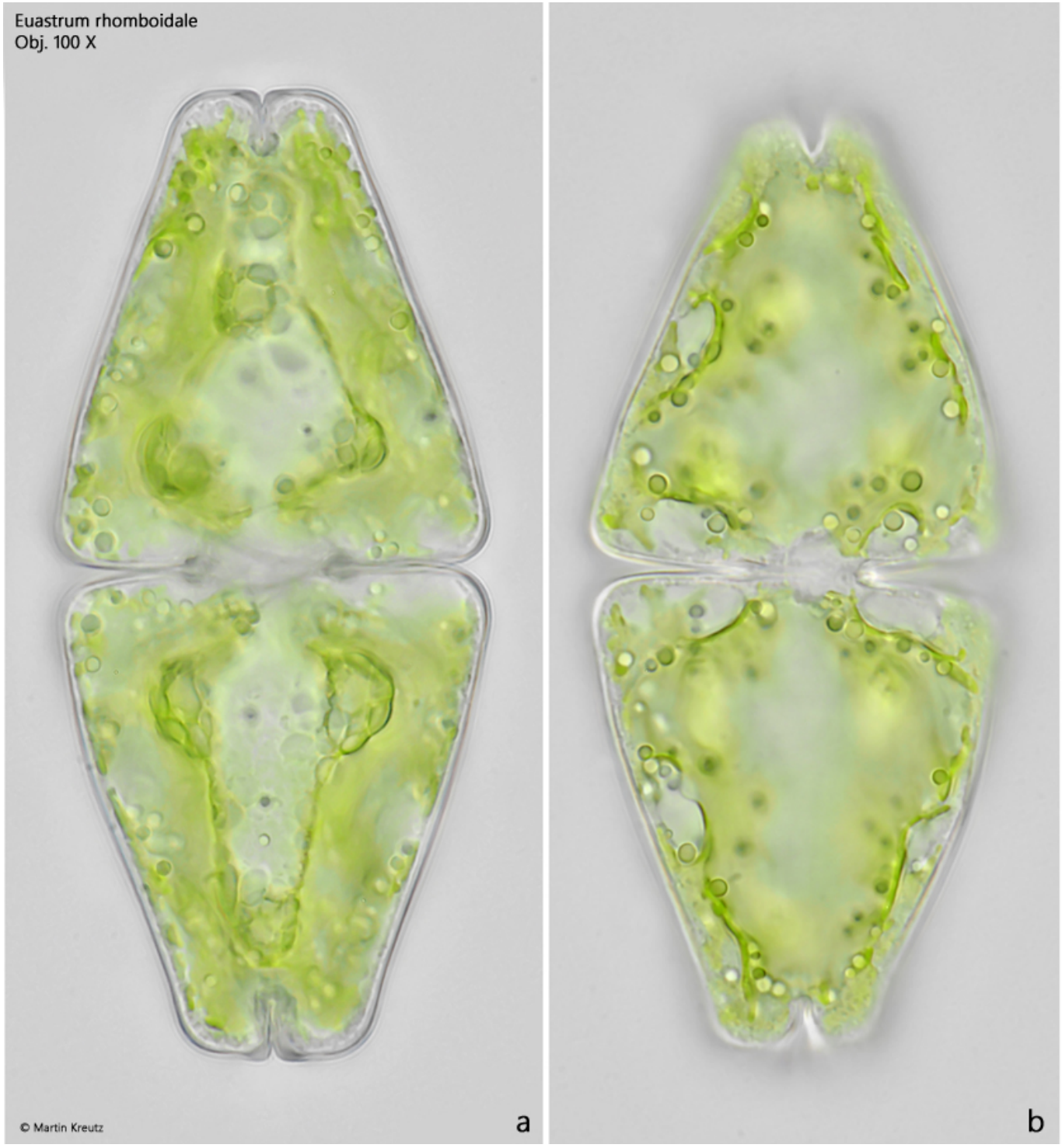


Fig. 2 a-b: *Euastrum rhomboidale*. L = 105 µm. The same specimen as shown in fig. 1 a-b in brightfield illumination. Obj. 100 X.