

***Euastrum rhomboidale***

**(Ducellier) Coesel & Meesters, 2023**

**Most likely ID:** n.a.

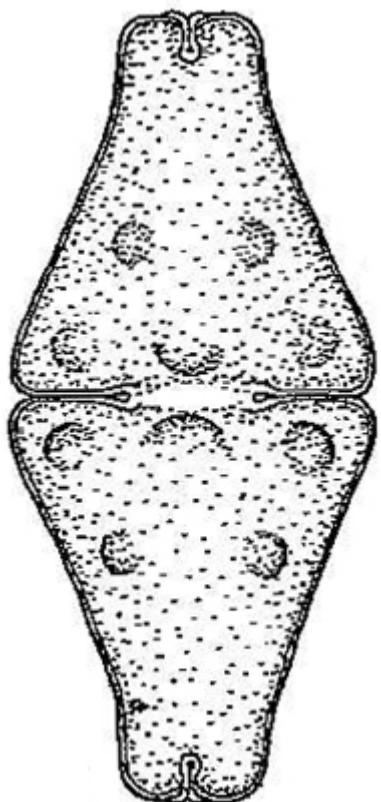
**Synonym:** *Euastrum ansatum* var. *rhomboidale*

**Sampling location:** [Lauchsee Moor \(Austria\)](#)

**Phylogenetic tree:** [\*Euastrum rhomboidale\*](#)

**Diagnosis:**

- semi-cells rhomboid, 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



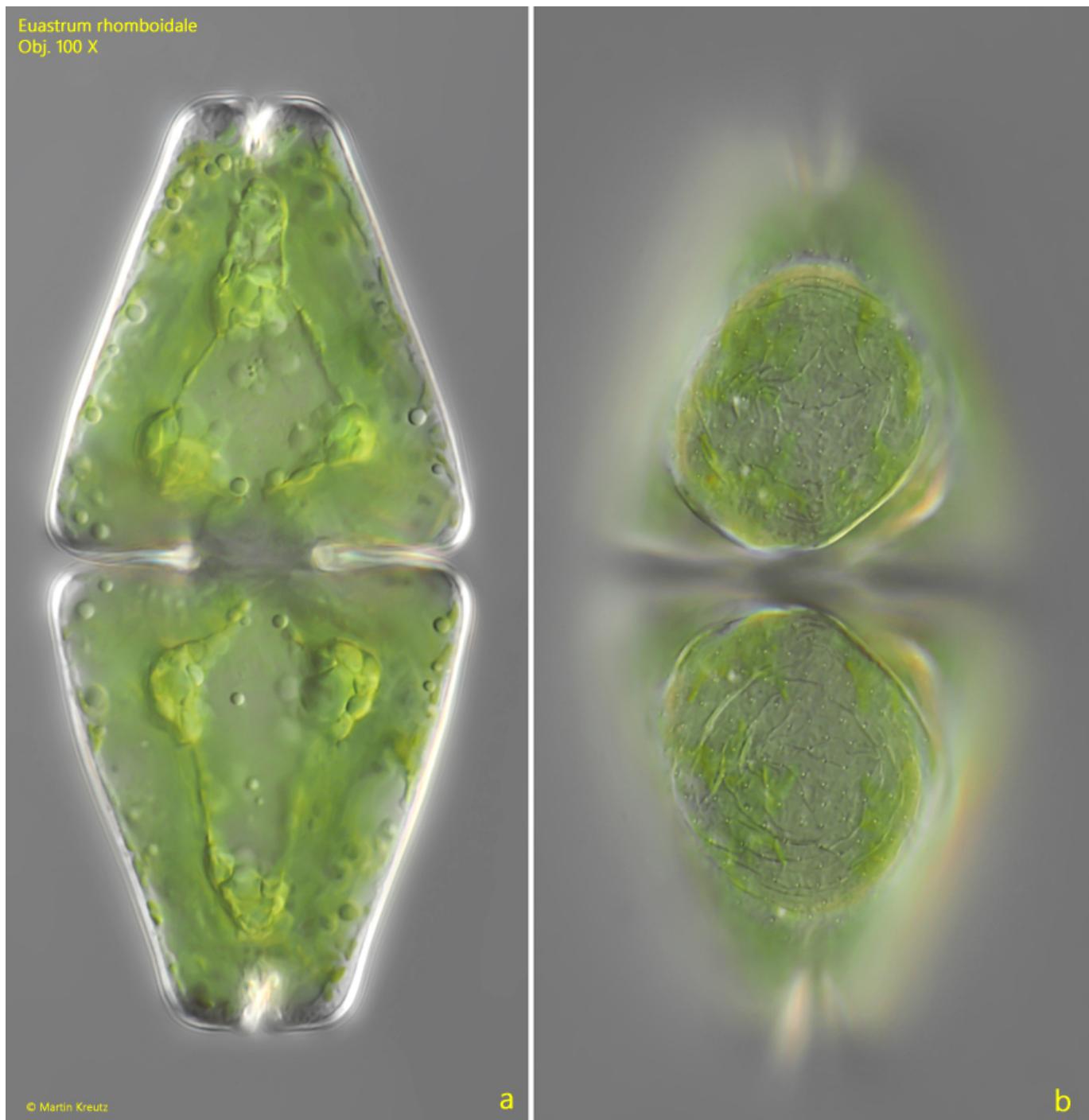
after Lenzenweger

### Euastrum rhomboidale

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.

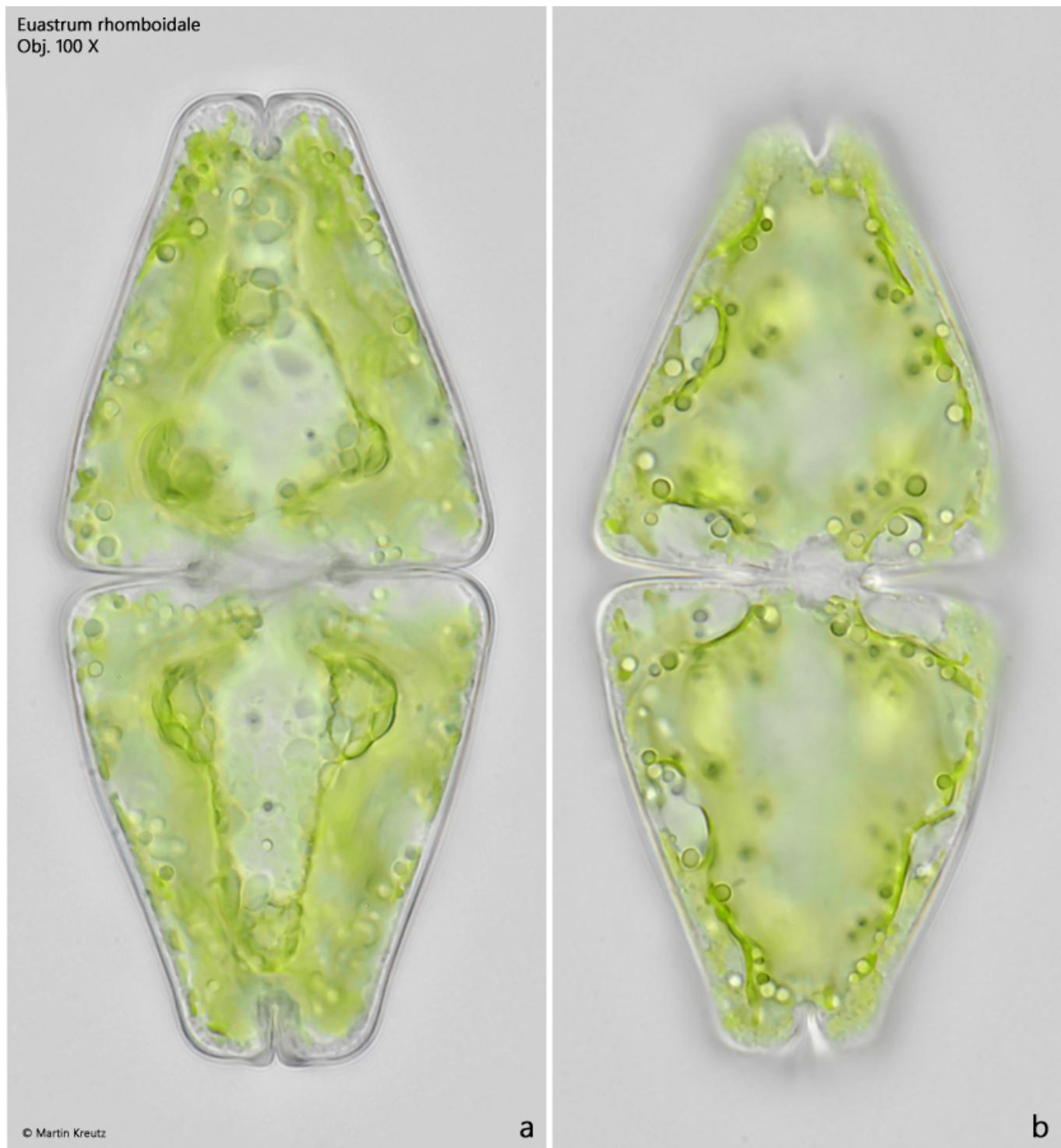
A key feature of *Euastrum rhomboidale* are the straight, lateral margins of the semi-cells. They are not concavely shaped like in the similar species *Euastrum ansatum*.

Euastrum rhomboidale  
Obj. 100 X



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

*Euastrum rhomboidale*  
Obj. 100 X



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