

Xanthidium basiornatum

(B. Eichler & Raciborski) Stastny, Skaloud & Neustupa, 2013

Most likely ID: n.a.

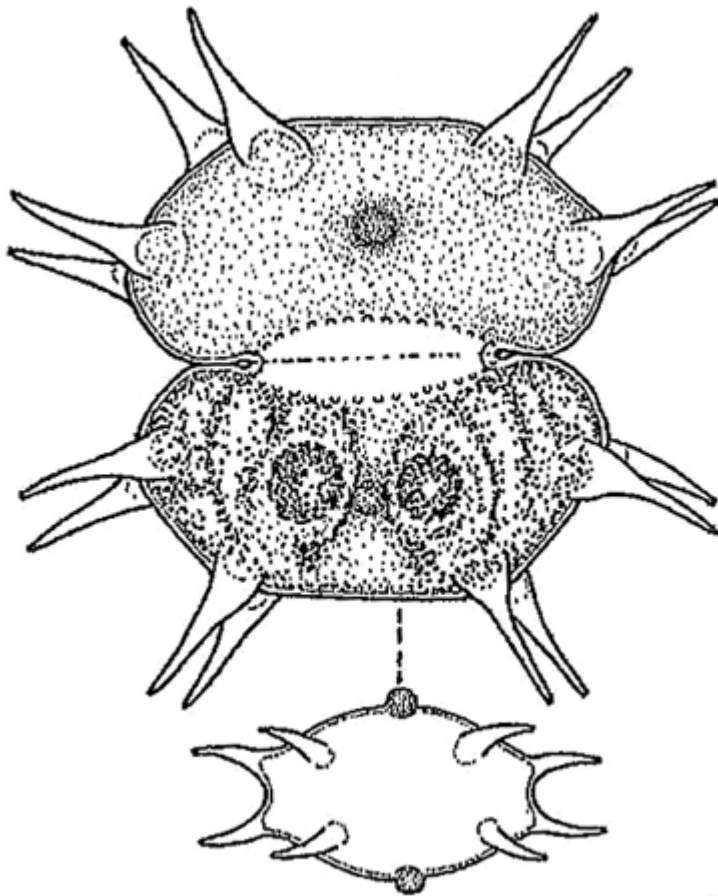
Synonyms: *Xanthidium antilopaeum* var. *basiornatum*,
Xanthidium canadense var. *basiornatum*

Sampling location: [Schwemm Moor \(Austria\)](#)

Phylogenetic tree: [Xanthidium basiornatum](#)

Diagnosis:

- cells roughly oval or octogonal
- semi-cells transverse elliptical or elongated hexagonal
- slightly convex or straight sides and apex
- each semi-cells with 4 pairs of straight spines
- length 43–55 µm (without spines)
- center of semi-cells with spherical wart
- both sides of isthmus with rows of small warts
- one parietal chloroplast with two pyrenoids per semi-cell



after Lenzenweger

Xanthidium basiornatum

So far, I have found only one specimen of *Xanthidium basiornatum* in July 2026, in a 6-week-old sample from the [Schwemm Moor](#) in Austria.

Xanthidium basiornatum closely resembles *Xanthidium antilopaeum*, but the 8 spines per semi-cell are all straight and long. In addition, they arise from the semi-cells almost vertically. Furthermore, *Xanthidium basiornatum* has a linear row of small warts above and below the isthmus (s. fig. 1 a). According to Lenzenweger (1997), there should also be a spherical wart in the middle of each semi-cell, which I was unable to detect in my specimen.

More images and information on *Xanthidium basiornatum*:

[Wolfgang Bettighofer-Protisten.de-Xanthidium basiornatum](#)

and

Alfred van Geest-Digicodes-*Xanthidium basiornatum*

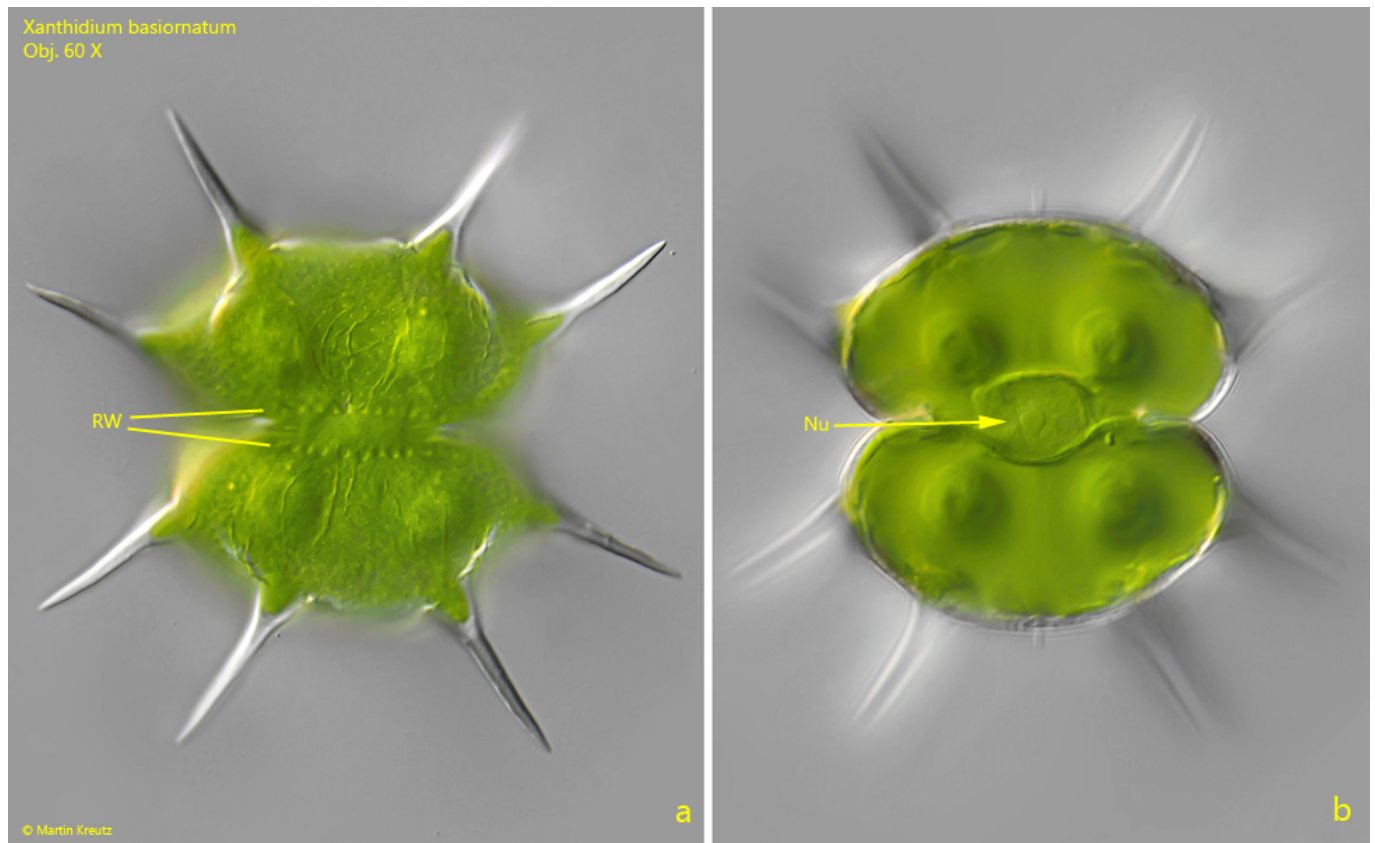


Fig. 1 a-b: *Xanthidium basiornatum*. L = 55 μ m (without spines). Two focal planes of the specimen found in July 2026 in the [Schwemm](#). Note the rows of warts (RA) above and below the isthmus and the central nucleus (Nu). Obj. 60 X.

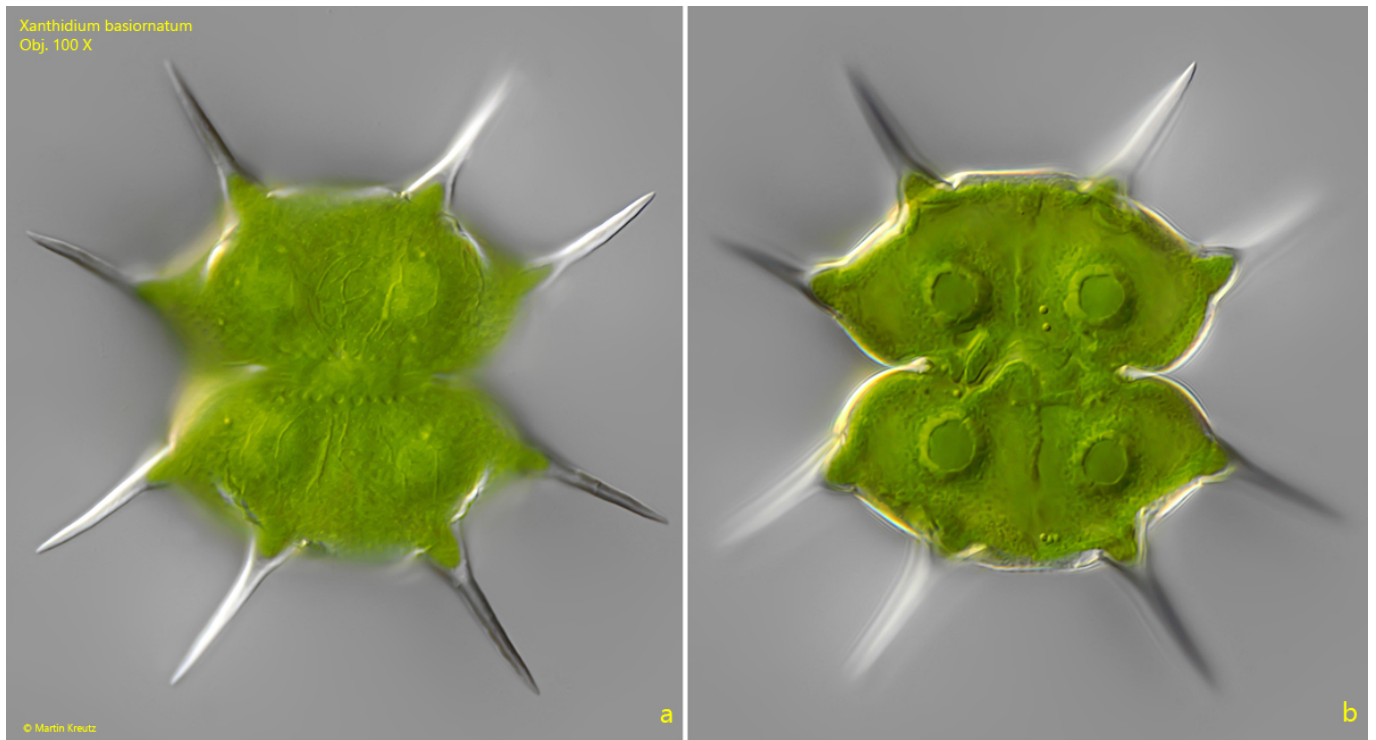


Fig. 2 a-b: *Xanthidium basiornatum*. L = 55 μm (without spines). The same specimen as shown in fig. 1 a-b at higher magnification. Obj. 100 X.