Ochromonas crenata Klebs, 1893

Most likely ID: n.a.

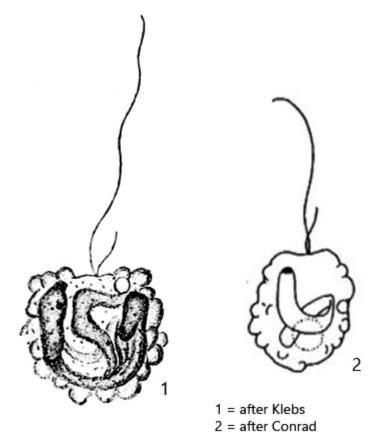
Synonym: n.a.

Sampling location: Simmelried

Phylogenetic tree: Ochromonas crenata

Diagnosis:

- solitary cells, spherical
- length 12-20 µm
- apical stigma
- two unequal flagella, the longer flagellum twice cell length
- single chloroplast, twisted, brown-yellowish, without pyrenoid
- cell surface with conspicuous blisters (mucocysts)
- nucleus in anterior third



Ochromonas crenata

I have found *Ochromonas crenata* so far only in the <u>Simmelried</u>, mostly associated with <u>Ochromonas verrucosa</u>. While <u>Ochromonas verrucosa</u> is oval and the cells are mostly longer than 20 μ m, *Ochromonas crenata* has a round body shape and is clearly smaller than 20 μ m (mostly about 15 μ m). In addition, the longer flagellum of *Ochromonas crenata* is proportionally much longer than that of <u>Ochromonas verrucosa</u>. The small blisters on the cell surface are mucocysts.

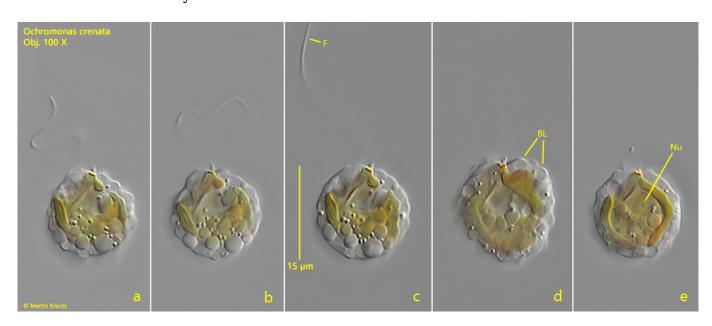


Fig. 1 a-e: Ochromonas crenata. $L = 15 \mu m$. A freely swimming specimen. BL = blisters

(mucocysts), F = flagellum (the longer one), Nu = nucleus. Obj. 100 X.