

***Ochromonas crenata* Klebs, 1893**

Most likely ID: n.a.

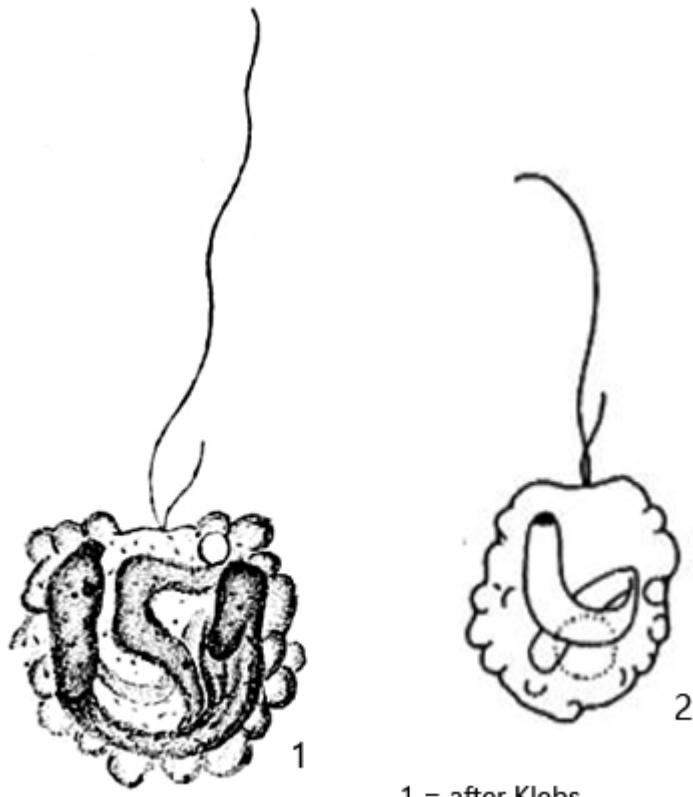
Synonym: n.a.

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



1 = after Klebs
2 = after Conrad

Ochromonas crenata

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

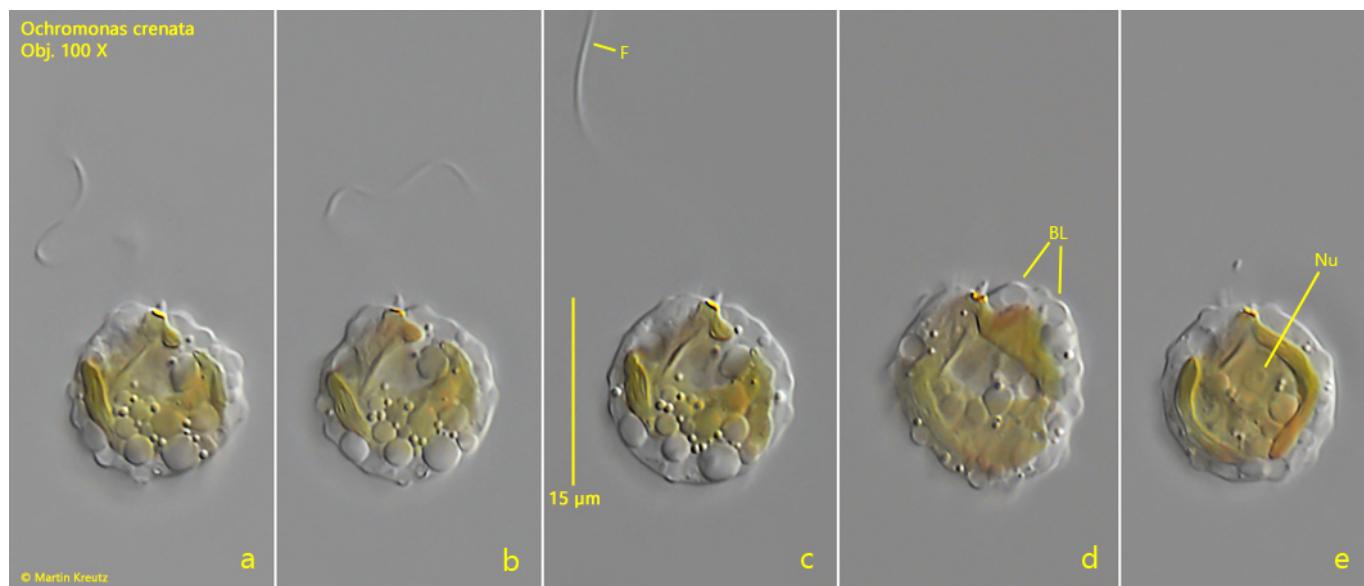


Fig. 1 a-e: *Ochromonas crenata*. L = 15 μm . A freely swimming specimen. BL =

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