

Ochromonas crenata Klebs, 1893

Most likely ID: n.a.

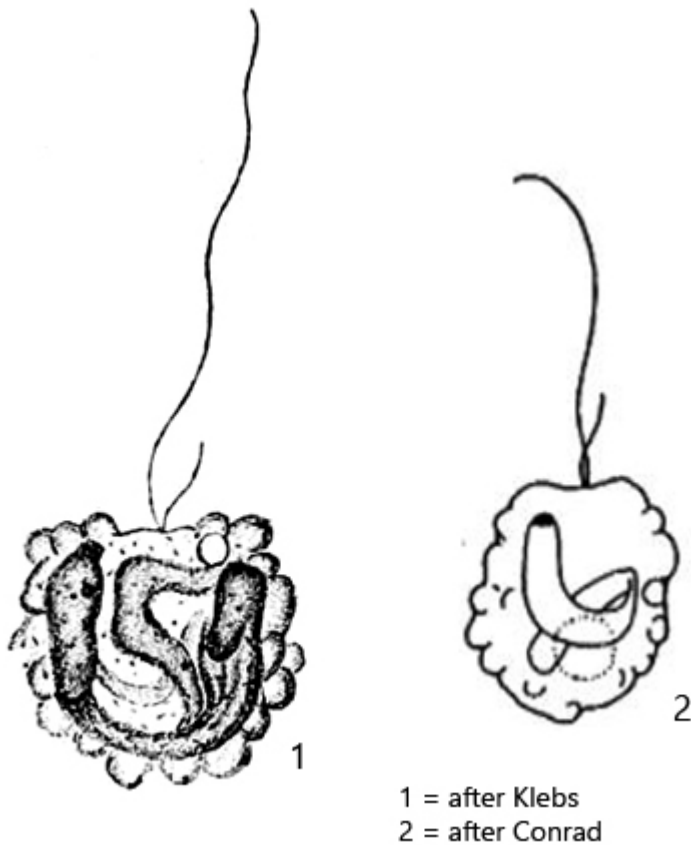
Synonym: n.a.

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 [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.

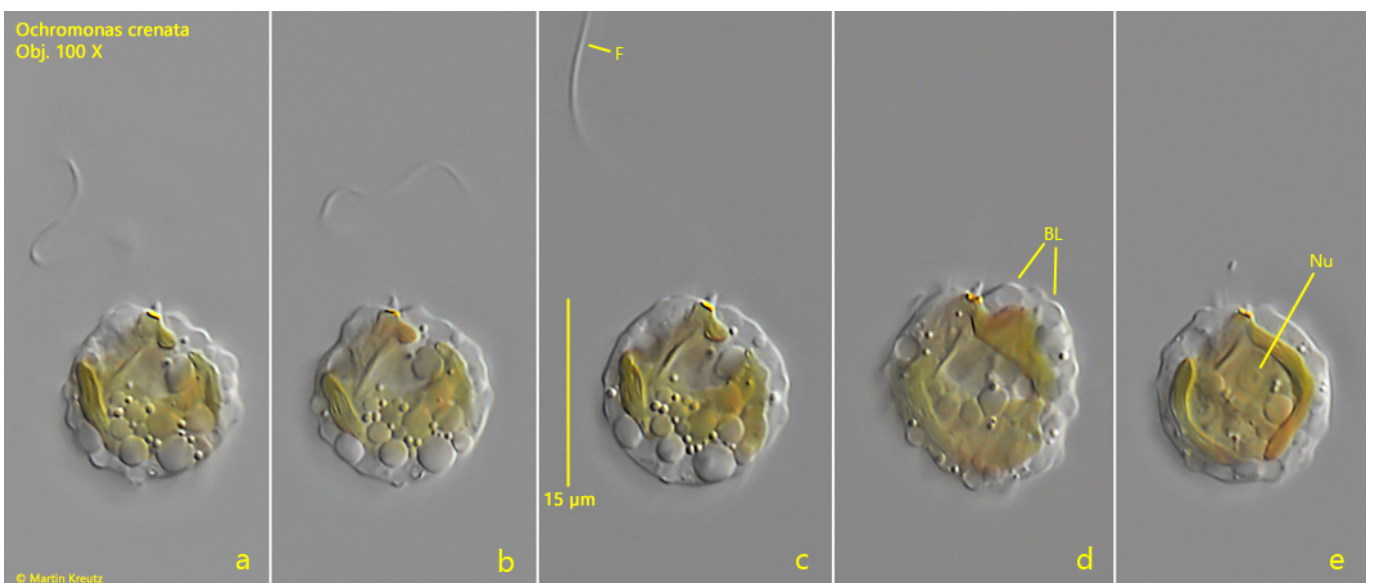


Fig. 1 a-e: *Ochromonas crenata*. L = 15 μm . A freely swimming specimen. BL = blisters

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