

## ***Ochromonas crenata* (Klebs, 1893)**

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

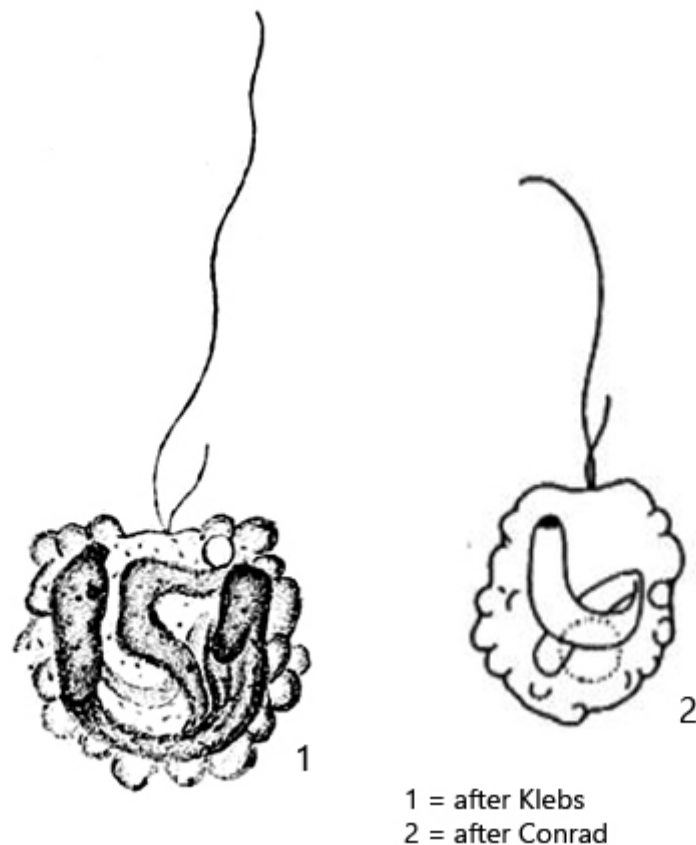
**Synonym:** n.a.

**Sampling location:** [Simmelried](#)

**Phylogenetic tree:** [Ochromonas crenata](#)

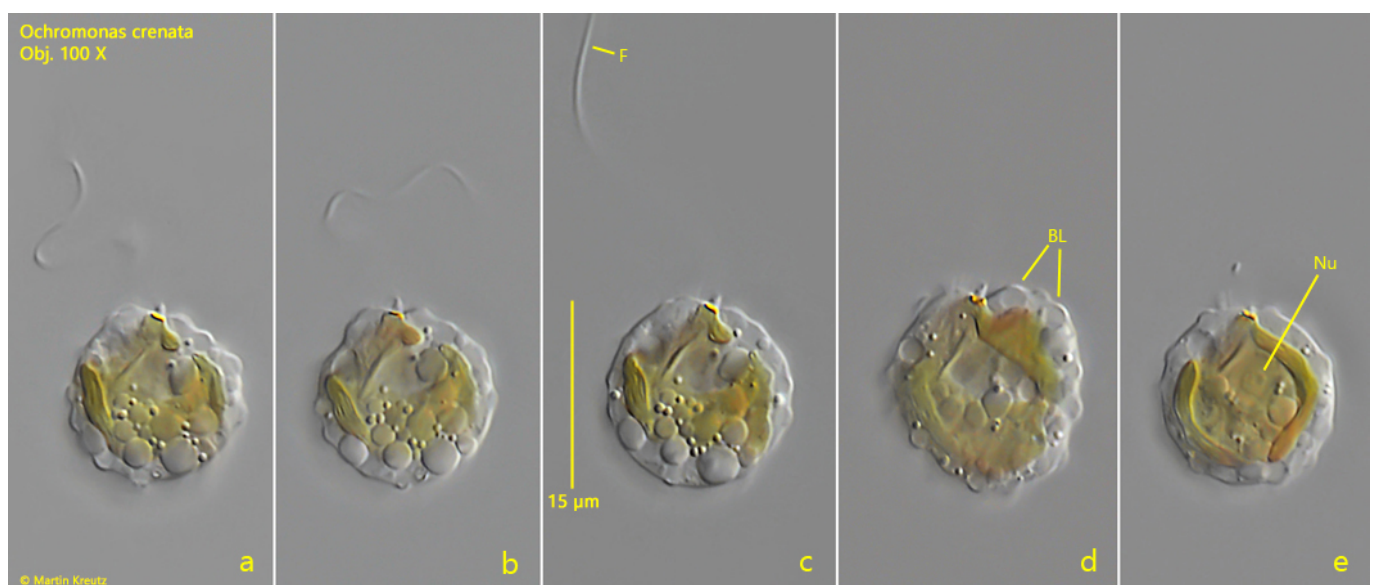
### **Diagnosis:**

- 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  $\mu\text{m}$ , *Ochromonas crenata* has a round body shape and is clearly smaller than 20  $\mu\text{m}$  (mostly about 15  $\mu\text{m}$ ). 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  $\mu\text{m}$ . A freely swimming specimen. BL = blisters

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