

***Macromonas fusiformis* Deflandre**

Most likely ID: n.a.

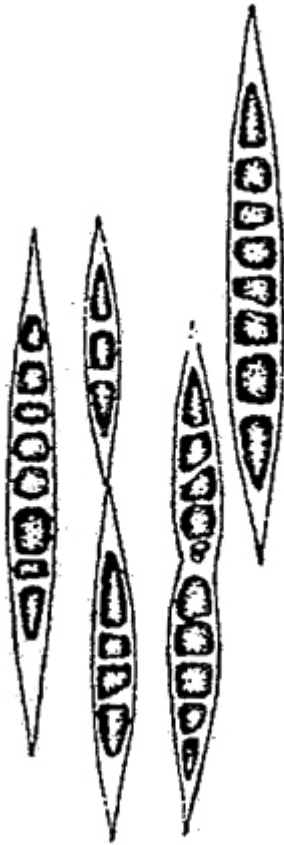
Synonym: n.a.

Sampling location: [Simmelried](#)

Phylogenetic tree: [Macromonas fusiformis](#)

Diagnosis:

- length 15 -30 μm , width 1.5 – 2 μm
- spindle-shaped, with parallel sides
- large sulphure globules in a row



after Skuja

Macromonas fusiformis

I found *Macromonas fusiformis* in [Simmelried](#) in December 2005, October 2021 and September 2022. I could observe immobile as well as slowly swimming cells. In the case of the swimming cells no flagella were visible, despite thoroughly observing with the 100 X objective. The specimens from the [Simmelried](#) were between 25 - 30 μm long. In each cell 5 - 12 large sulphur grains are arranged in a line.



Fig. 1: *Macromonas fusiformis*. A collection of cells from the December 2005 population. Obj. 100 X.



Fig. 2: *Macromonas fusiformis*. A sample with a dense population from September 2022. Obj. 40 X.



Fig. 3 a-b: *Macromonas fusiformis*. L = 29 μ m. A large cell found in the population from October 2021. Obj. 100 X.