

***Lepocinclis cyclidiopsis***

**(M.S. Bennet & Triemer, nom. illeg., 2014)**

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

**Synonym:** *Cyclidiopsis acus*

**Sampling location:** [Purren pond](#), [Simmelried](#)

**Phylogenetic tree:** [Lepocinclis cyclidiopsis](#)

**Diagnosis:**

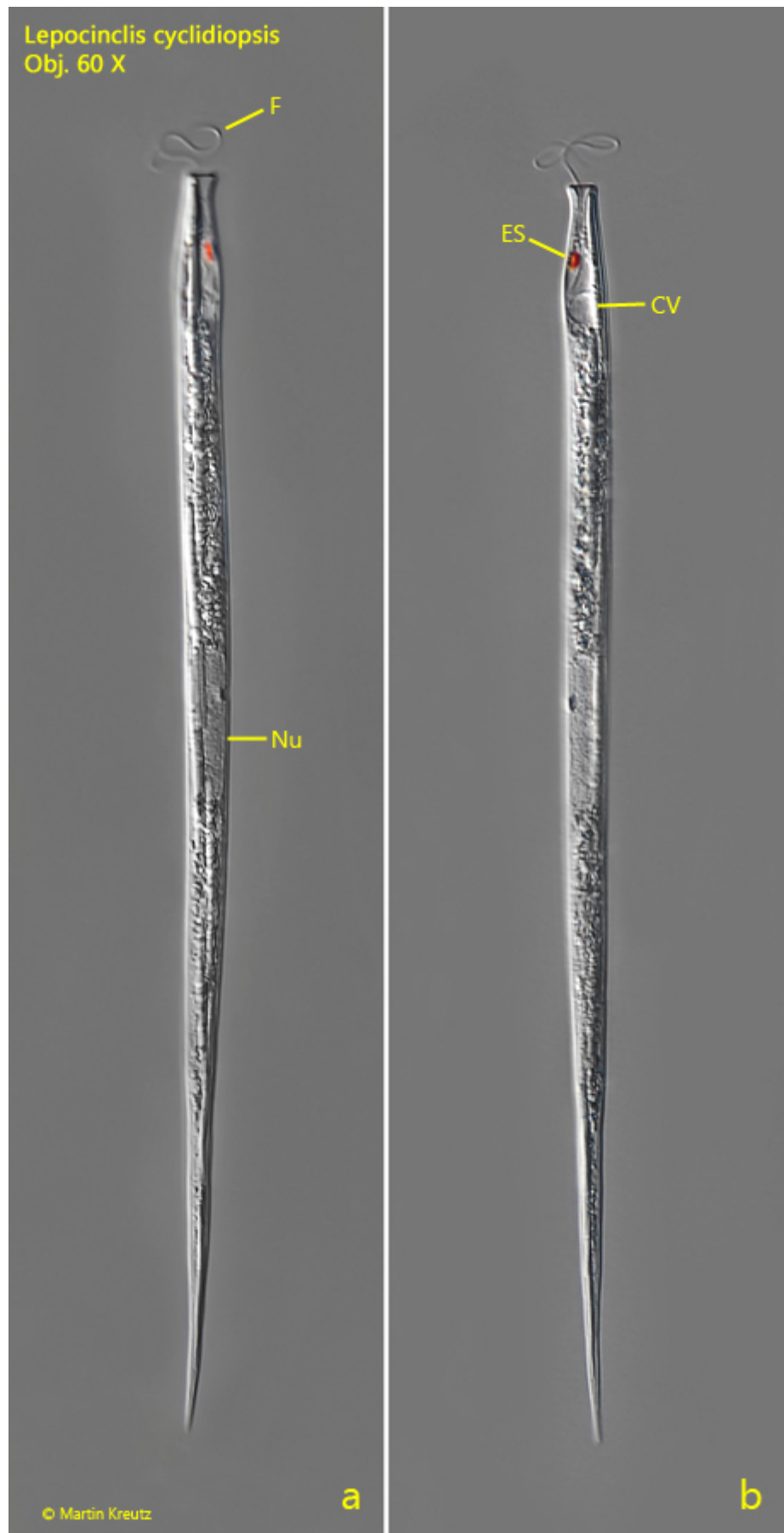
- cells long and slender spindle-shaped
- not metabolic, rigid
- length 130–206 µm
- cells colorless, chloroplasts absent
- pelliucula spirally striated with very low pitch
- anterior end snout-like, transversely truncated
- posterior end acicularly pointed
- one flagellum, about 35 µm long
- one eyespot in the height of the reservoir
- paramylon grains about 25–30 µm long, spindle-shaped with blunt ends
- nucleus elongated in the middle of the cell



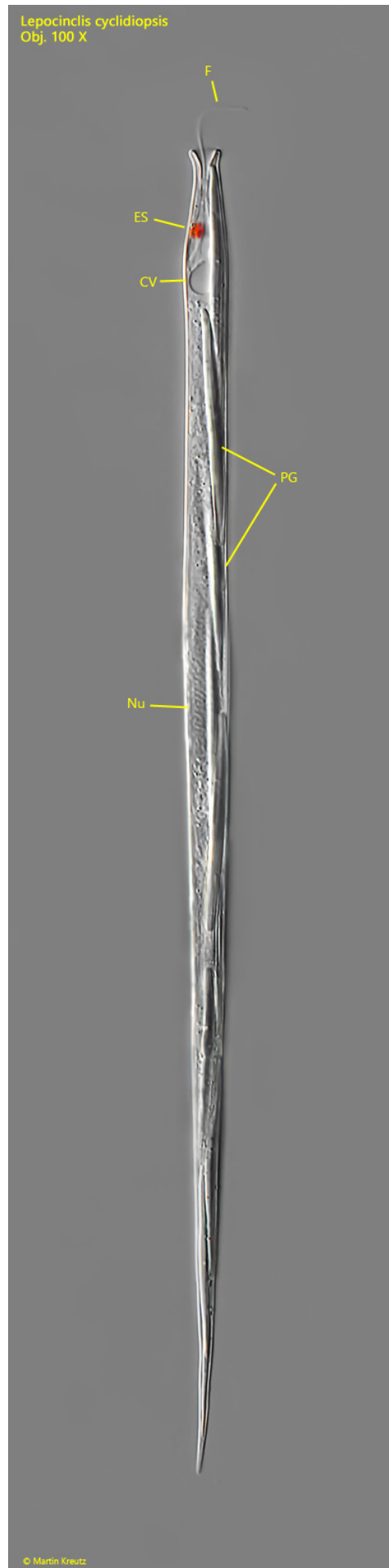
after Korshikov

*Lepocinclis cyclidiopsis*

I find *Lepocinclis cyclidiopsis* in the [Purren pond](#) and the [Simmelried](#) regularly. Sometimes this species occurs in masses, especially in the [Simmelried](#). The species is easily identified by the slender spindle shape and by the absence of chloroplasts (s. figs. 1 a-b and 2). The paramylon grains of *Lepocinclis cyclidiopsis* are also spindle-shaped, with blunted ends (s. fig. 3). In my population I also found specimens containing many small paramylon grains (s. fig. 4) which were irregularly shaped. Possibly these are remnants of degraded, spindle-shaped paramylon grains.



**Fig. 1 a-b:** *Lepocinclis cyclidiopsis*. L = 194  $\mu$ m. A freely swimming specimen. CV = contractile vacuole, ES = eyespot, F = flagellum, Nu = nucleus. Obj. 60 X.



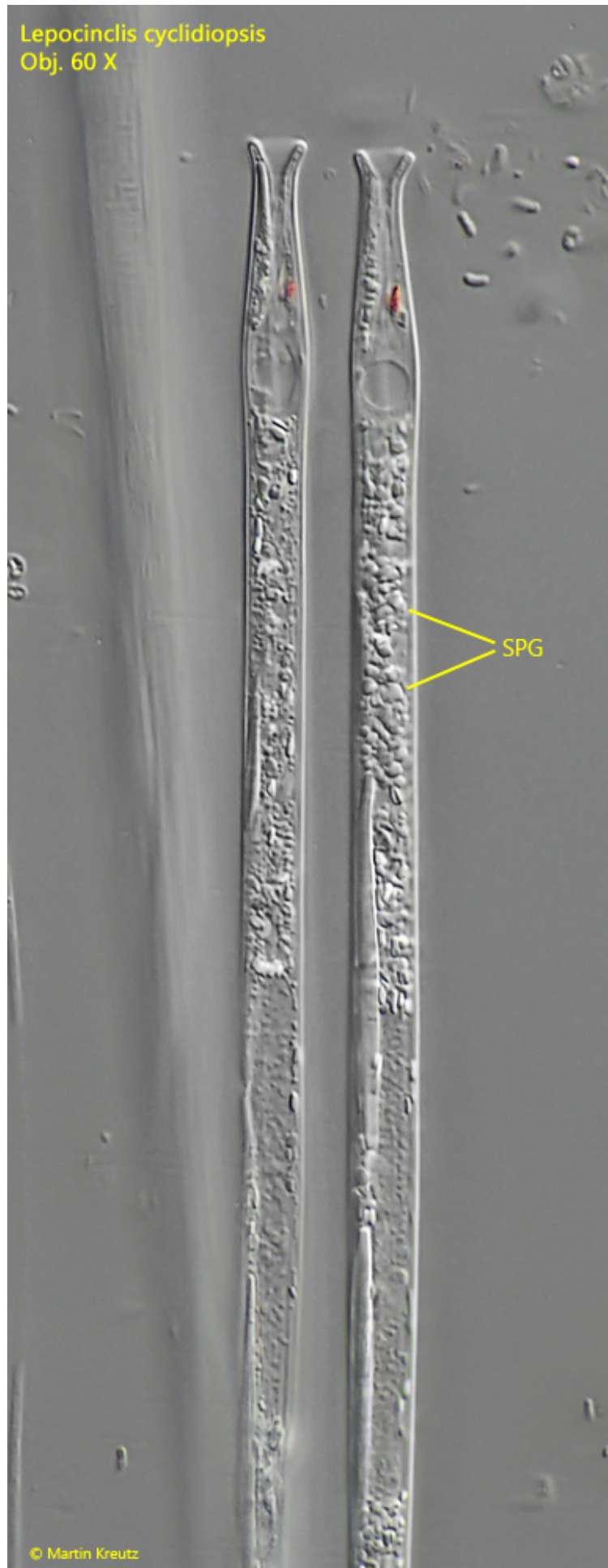
**Fig. 2:** *Lepocinclis cyclidiopsis*. L = 217  $\mu\text{m}$ . A slightly squashed specimen in detail. CV = contractile vacuole, ES = eyespot, F = flagellum, Nu = nucleus, PG = paramylon grains. Obj. 100 X.

Lepocinclis cyclidiopsis  
Obj. 60 X



**Fig. 3:** *Lepocinclis cyclidiopsis*. A more transparent specimen with spindle-shaped paramylon grains (PG). The paramylon grains are 31–35 µm long. Note the striated pellicle (SP) of the specimen at the left side. Obj. 60 X

*Lepocinclis cyclidiopsis*  
Obj. 60 X



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**Fig. 4:** *Lepocinclis cyclidiopsis*. Two specimens with irregularly shaped, small paramylon grains (SPG). Obj. 60 X