

***Lacrymaria sapropelica* Kahl, 1927**

Most likely ID: n.a.

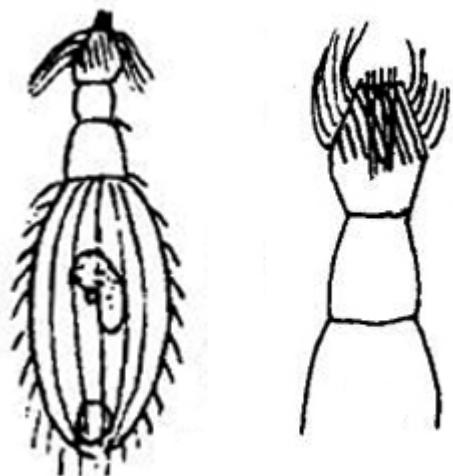
Synonym: n.a.

Sampling location: [Simmelried](#)

Phylogenetic tree: [*Lacrymaria sapropelica*](#)

Diagnosis:

- body long oval or flask-shaped
- length 80–100 µm
- head and neck with oblique kinetics
- head thicker than neck
- head and neck contractile
- pellicle ribbed with long cilia
- movement vivid
- pharyngeal extrusomes are delicate rods
- macronucleus oval or kidney-shaped, with one micronucleus
- contractile vacuole terminal



after Kahl

Lacrymaria sapropelica

I find *Lacrymaria sapropelica* in the mud of the [Simmelried](#) rarely, but regularly in larger intervals. This species can be recognized by the fact that in the elongated specimens the head is wider than the neck (s. figs. 1a and 2a as well as Kahl's drawing above). Head and neck show a striation by oblique running kineties, which is difficult to see in the fast-moving specimens. Only in flashed photographs (s. fig. 1c) or in squashed specimens is this feature clearly visible. The pharyngeal extrusomes are thin rods. In the specimens of my population they were 12 μm long (s. fig. 2b). Although Kahl drew this species with an oval body (s. drawing above), all specimens I have found had a flask- or amphore-shape.

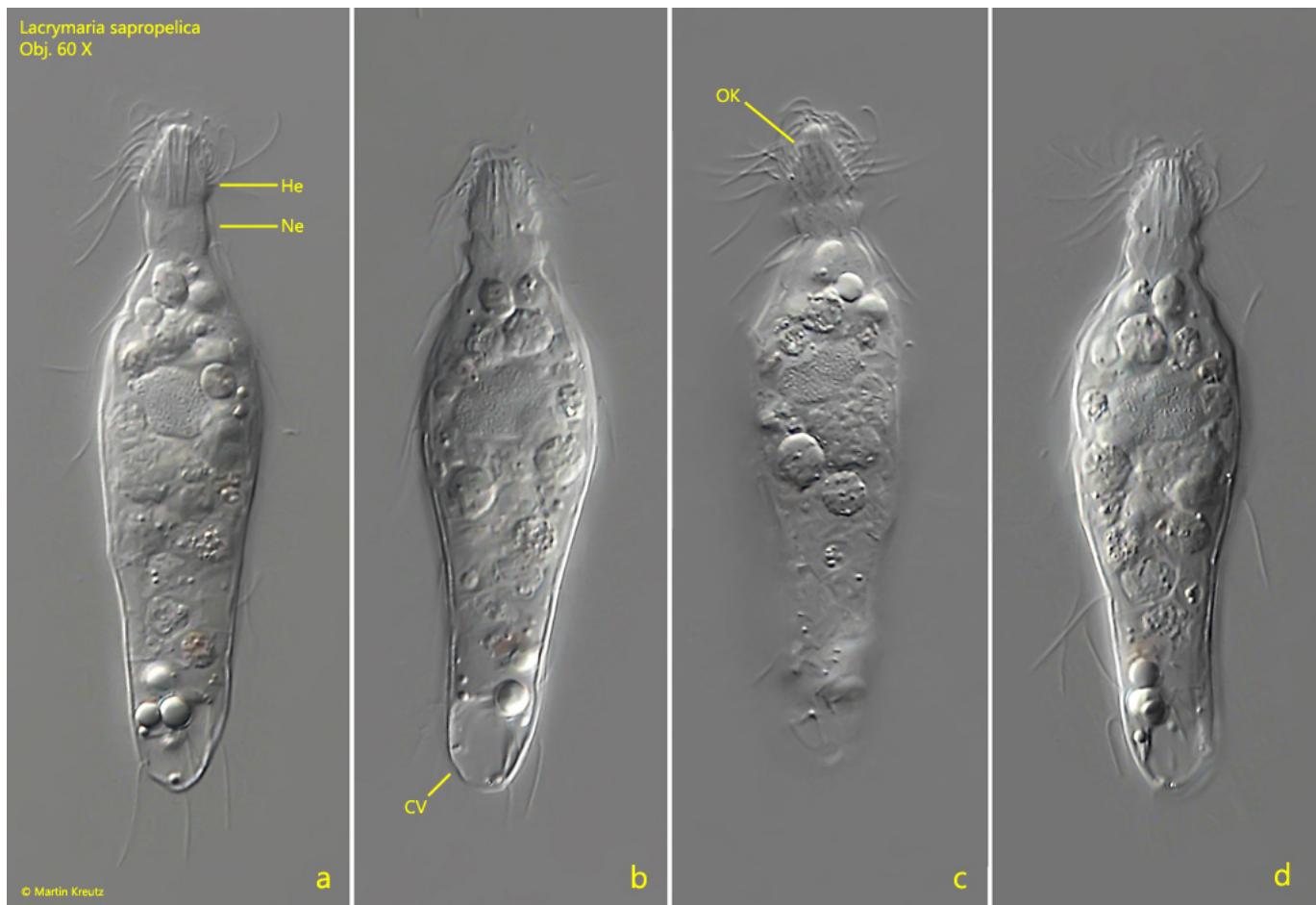


Fig. 1 a-d: *Lacrymaria sapropelica*. L = 85 μ m. A freely swimming specimen. In the elongated form (fig. 1a) the head (He) is broader than the neck (Ne). Head and neck are show oblique kineties (OK). Obj. 60 X.

Lacrymaria sapropelica
Obj. 100 X

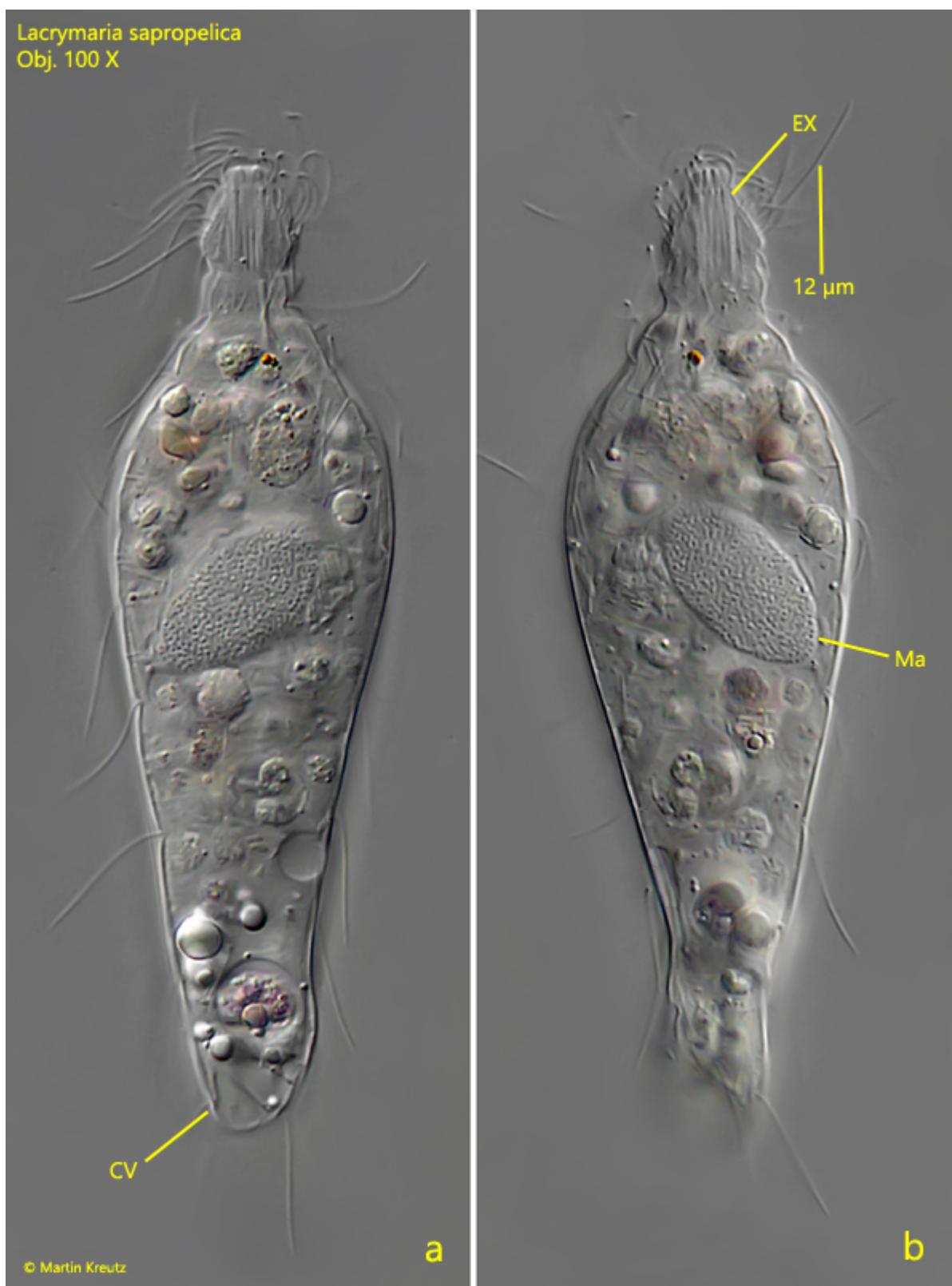


Fig. 2 a-b: *Lacrymaria sapropelica*. L = 95 μ m. A second freely swimming specimen. The pharyngeal extrusomes (EX) arranged in the head are 12 μ m long, thin rods. CV = contractile vacuole, Ma = macronucleus. Obj. 100 X.

Lacrymaria sapropelica
Obj. 100 X



Fig. 3 a-c: *Lacrymaria sapropelica*. L = 88 μ m. Three focal planes of a third, slightly squashed specimen. CV = contractile vacuole, Ma = macronucleus. Obj. 100 X.