Pompholyxophrys ovuligera

(Penard, 1904) Roijackers & Siemensma, 1988

Most likely ID: n.a.

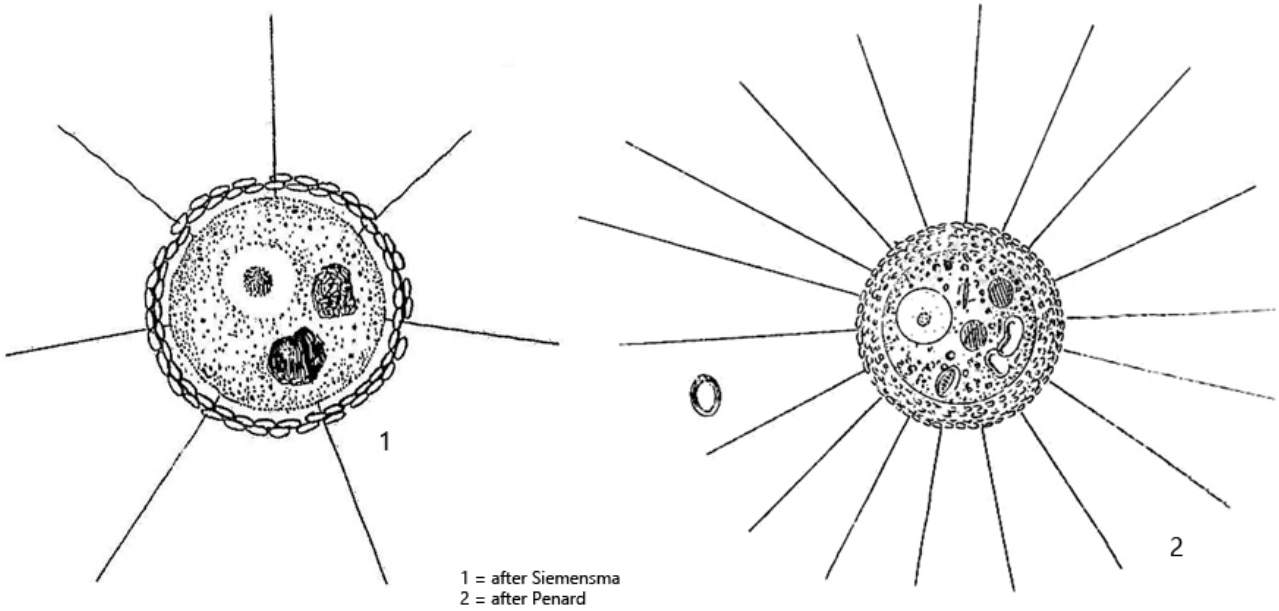
Synonym: n.a.

Sampling location: Simmelried

Phylogenetic tree: *Pompholyxophrys ovuligera*

Diagnosis:

- cell spherical, covered with ovoid scales
- diameter 17–37 µm (inclusive layer auf scales)
- scales about 2×3 µm, hollow, transparent
- cytoplasm pale orange or reddish with colored granules
- nucleus located eccentrically, with central nucleoulus
- no visible contractile vacuole
- pseudopodia fine and short



Pompholyxophrys ovuligera

I have only ever found *Pompholyxophys ovuligera* in the Simmelried, where the species is very rare. The similar species *Pompholyxophrys punicea*, which has spherical scales, is much more common.

The mostly orange coloration of *Pompholyxophrys ovuligera* is much less pronounced than in *Pompholyxophrys punicea*, which was already described by Penard (1904). Like Penard, I could not recognize a contractile vacuole. However, I noticed several small vacuoles at the margin of the cell body (s. fig. 2 a), which showed no pulsation. It is also possible that the pulsation was very slow. The nucleus is eccentric with a clear, central nucleolus. The pseudopodia have about body length, without granules.

More information and images on *Pompholyxophrys ovuligera*: Ferry Siemensma-Microworld-*Pompholyxophrys ovuligera*

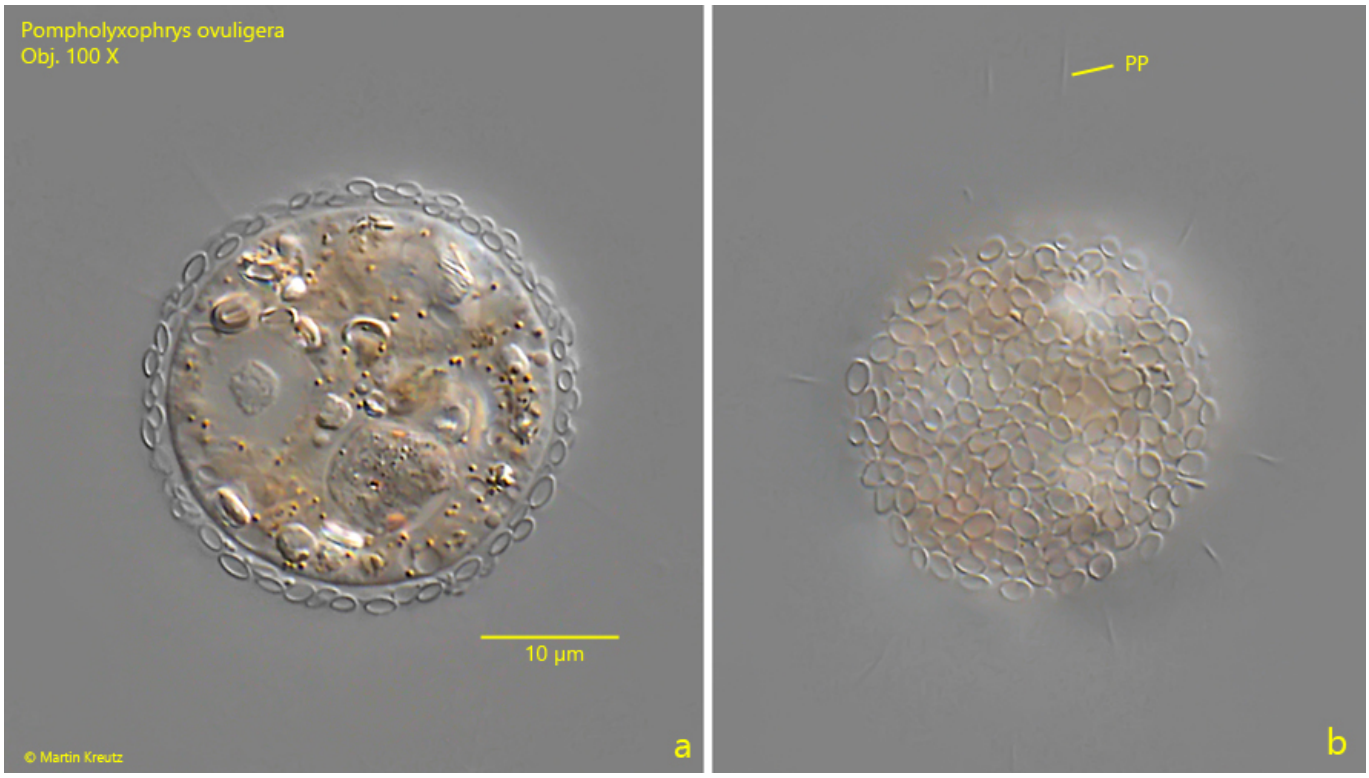


Fig. 1 a-b: *Pompholyxophrys ovuligera*. D = 33 µm (with scales). Two focal planes of a pale orange colored specimen. PP = pseudopodia. Obj. 100 X.

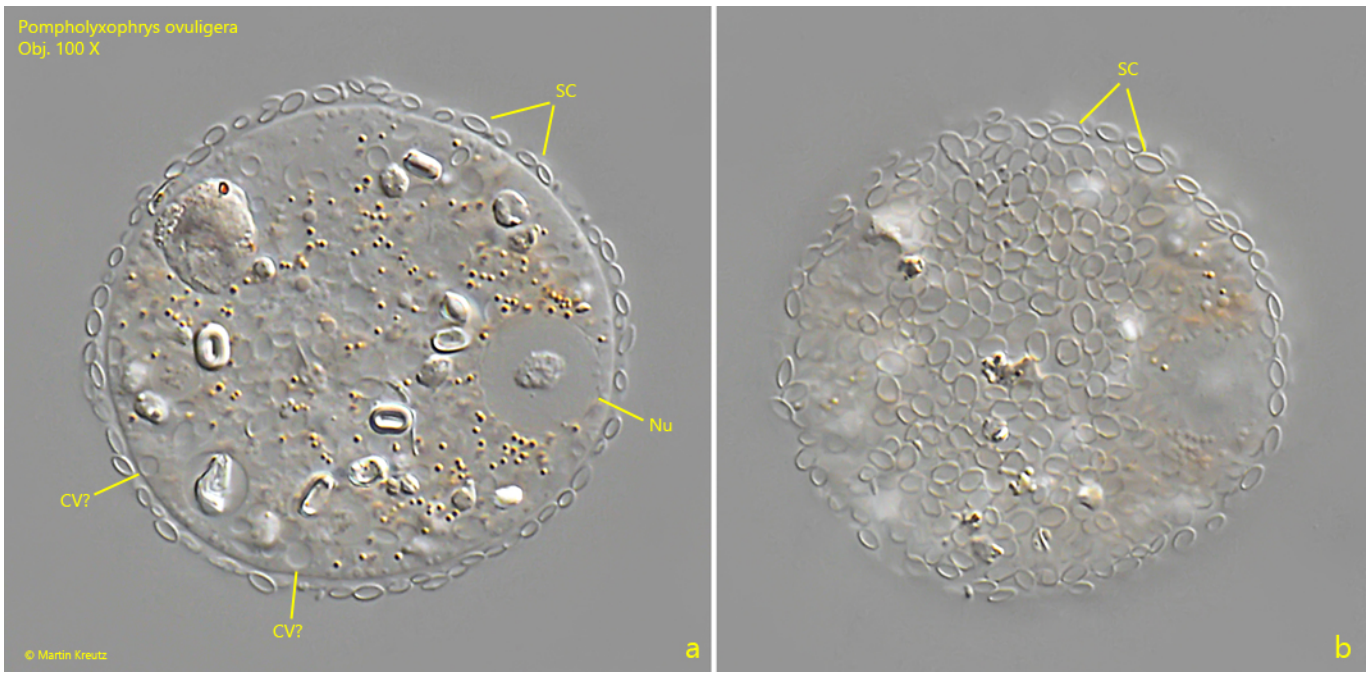


Fig. 2 a-b: *Pompholyxophrys ovuligera*. The squashed specimen as shown in fig. 1 a-b. CV? = probably the contractile vacuoles, Nu = nucleus, SC = ovoid scales. Obj. 100 X.