

Pompholyxophrys ovuligera

(Penard, 1904) Roijackers & Siemensma, 1988

Most likely ID: n.a.

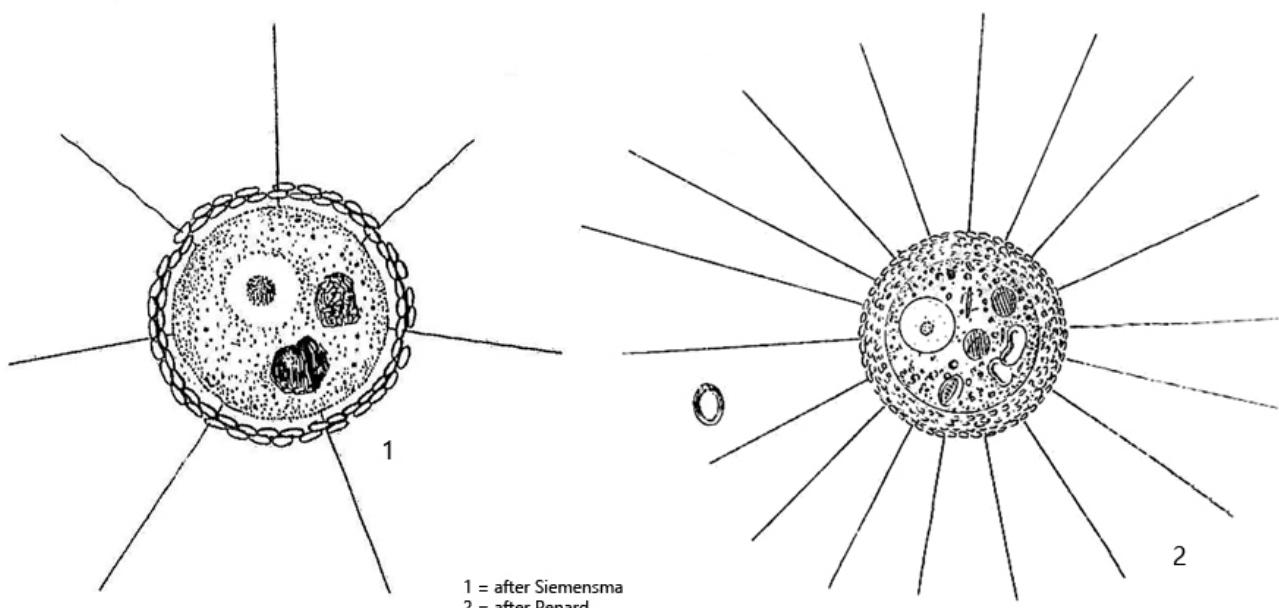
Synonym: n.a.

Sampling location: [Simmelried](#)

Phylogenetic tree: [Pompholyxophrys ovuligera](#)

Diagnosis:

- cell spherical, covered with ovoid scales
- diameter 17–37 μm (inclusive layer auf scales)
- scales about $2 \times 3 \mu\text{m}$, hollow, transparent
- cytoplasm pale orange or reddish with colored granules
- nucleus located eccentrically, with central nucleolus
- 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 [*Pompholyxophys punicea*](#), which has spherical scales, is much more common.

The mostly orange coloration of *Pompholyxophys ovuligera* is much less pronounced than in [*Pompholyxophys 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 *Pompholyxophys ovuligera*: [Ferry Siemensma-Microworld-Pompholyxophys ovuligera](#)

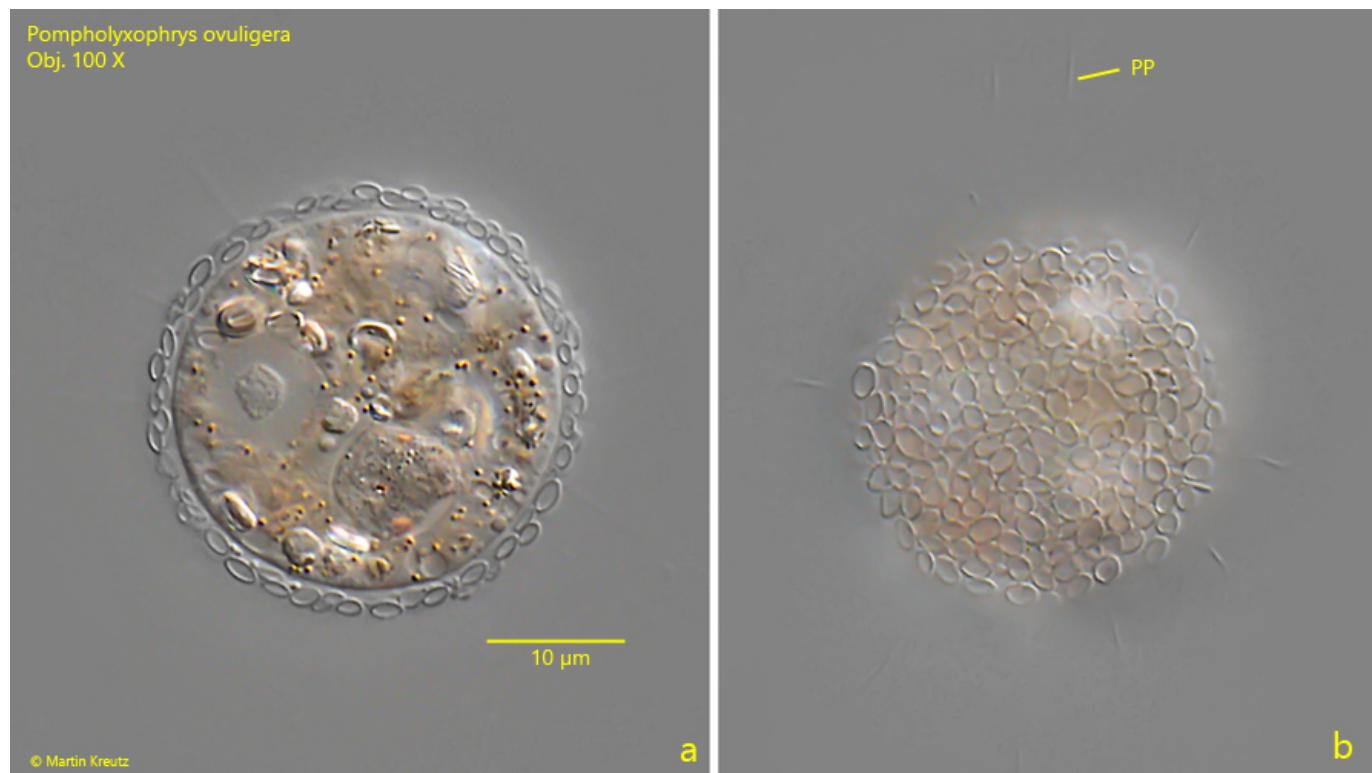


Fig. 1 a-b: *Pompholyxophys ovuligera*. D = 33 μ m (with scales). Two focal planes of a pale orange colored specimen. PP = pseudopodia. Obj. 100 X.

Pompholyxophrys ovuligera
Obj. 100 X

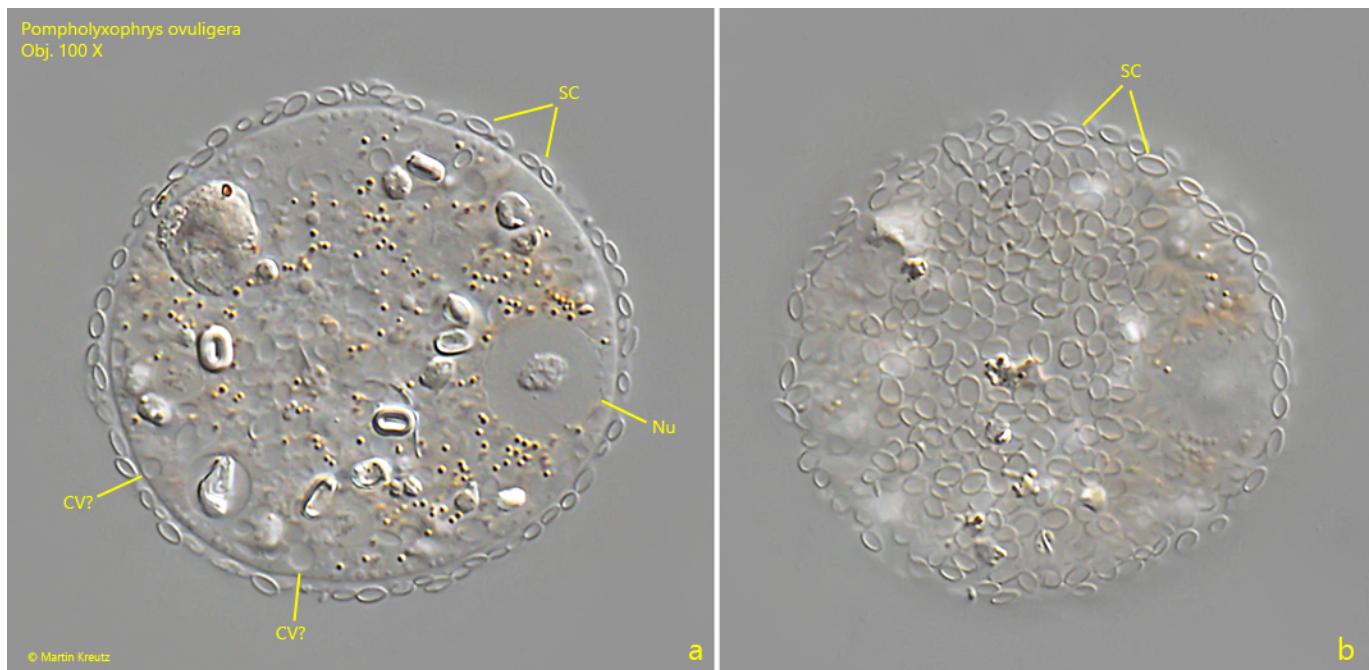


Fig. 2 a-b: *Pompholyxophrys ovuligera*. The squashed specimen as shown in fig. 1 a-b. CV? = probably the contractile vacuoles, Nu = nucleus, SC = ovoid scales. Obj. 100 X.