

***Salpingoeca ampullacea* (Stein, 1878)**

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

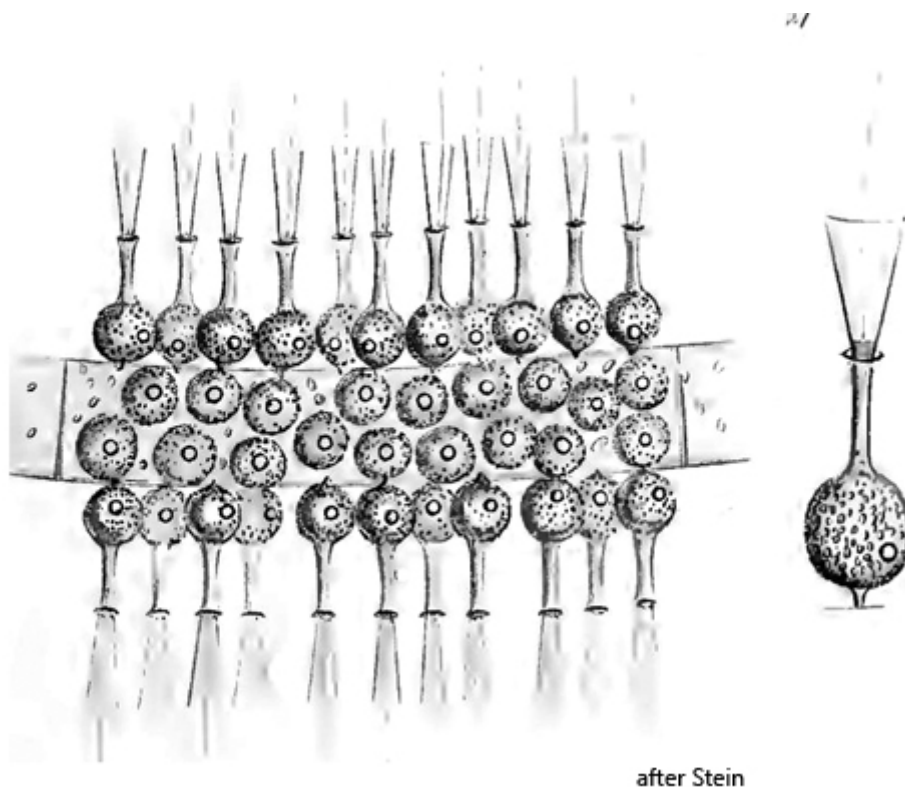
**Synonym:** n.a.

**Sampling location:** [Simmelried](#)

**Phylogenetic tree:** [Salpingoeca ampullacea](#)

**Diagnosis:**

- lorica globular, opening distinctly widened
- solid stalk of lorica very short or absent
- length 8-11  $\mu\text{m}$  (of lorica)
- cell fills globular part of lorica completely
- one single flagellum, 3-4 times of cell length
- one nucleus in anterior third with spherical nucleolus
- one contractile vacuole in posterior third or mid-body



*Salpingoeca ampullacea*

So far I have only been able to find *Salpingoeca ampullacea* in the [Simmelried](#). However, I may have overlooked the species in my other localities, as it is only possible to see at high magnification whether the shell has a stalk and what it looks like.

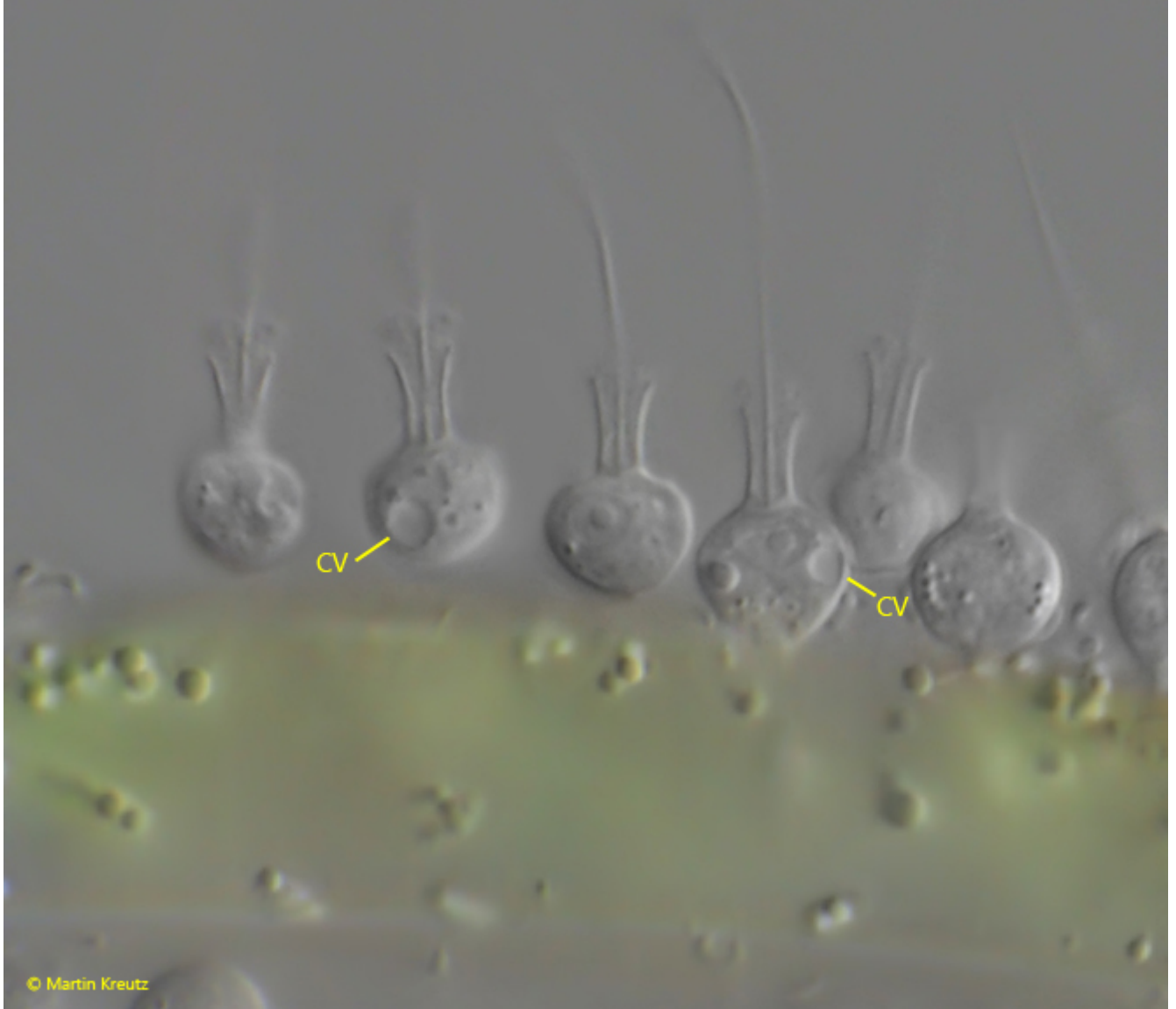
The lorica of *Salpingoeca ampullacea* is almost spherical, with a straight, cylindrical neck that widens at the distal end. The shell has no or only a very short, solid stalk with which it is attached to the substrate (usually algal filaments). The similar species [Salpingoeca clarkii](#) has a solid, long stalk and a vase-shaped lorica.

In 1983, a species of *Salpingoeca* newly described by D. de C. Bicudo & C. E. de M. Bicudo was also named *Salpingoeca ampullacea*. However, this name was first given by Stein (1878). The authors therefore withdrew the name in 1984 and renamed their newly discovered species *Salpingoeca ampulloides*. Unfortunately, this change has not been implemented in many databases on the internet.

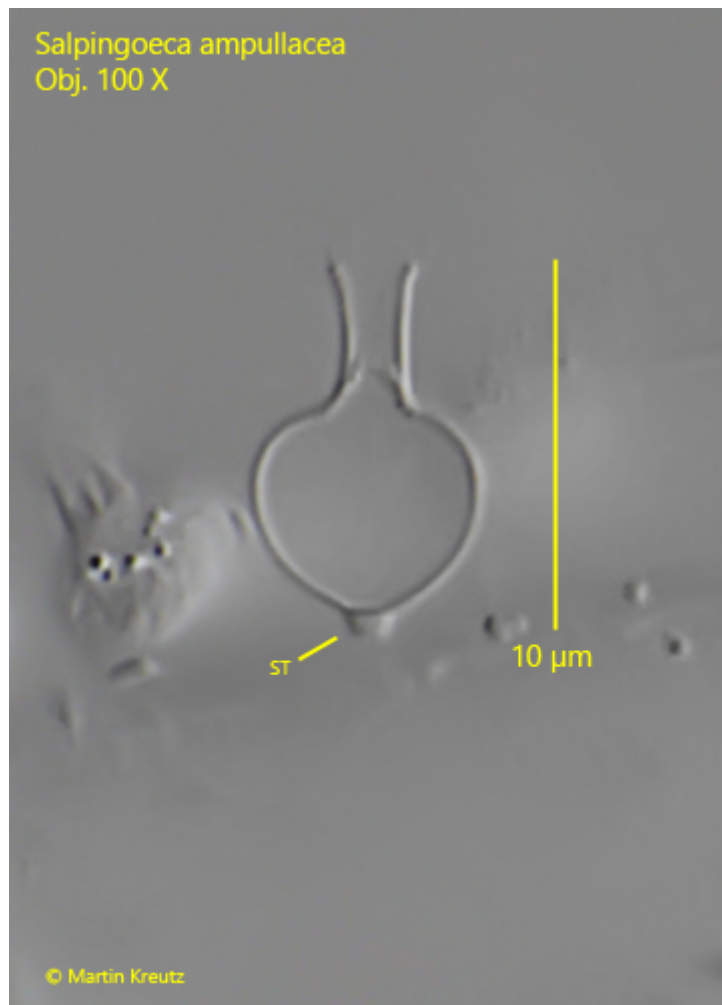


**Fig. 1:** *Salpingoeca ampullacea*. L = 9.3–9.5  $\mu$ m (of lorica). Two specimens attached to a filamentous alga. Note the nucleus (Nu) with a central nucleolus. The cell fills the globular part of the lorica completely. Obj. 100 X.

Salpingoeca ampullacea  
Obj. 100 X



**Fig. 2:** *Salpingoeca ampullacea*. L = 9.1-10.1  $\mu\text{m}$  (of lorica). A group of several specimens attached to a filamentous alga. CV = = contractile vacuole. Obj. 100 X.



**Fig. 3:** *Salpingoeca ampullacea*. L = 10.9 µm (of lorica). An empty lorica. Note the short, solid stalk (ST). Obj. 100 X.