

## ***Rhodobacteria 7***

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

**Synonym:** n.a

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

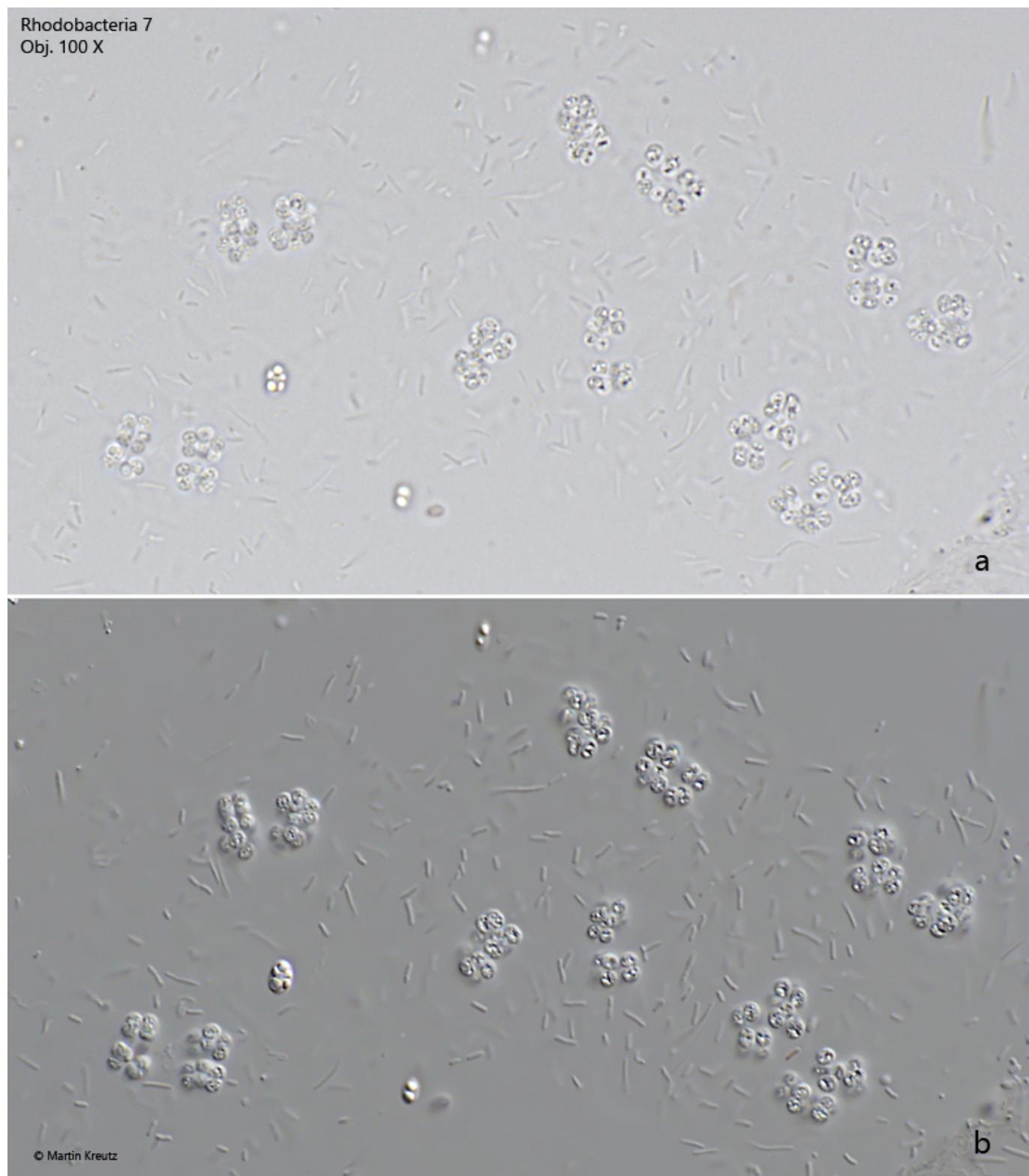
**Phylogenetic tree:** n.a.

**Diagnosis:**

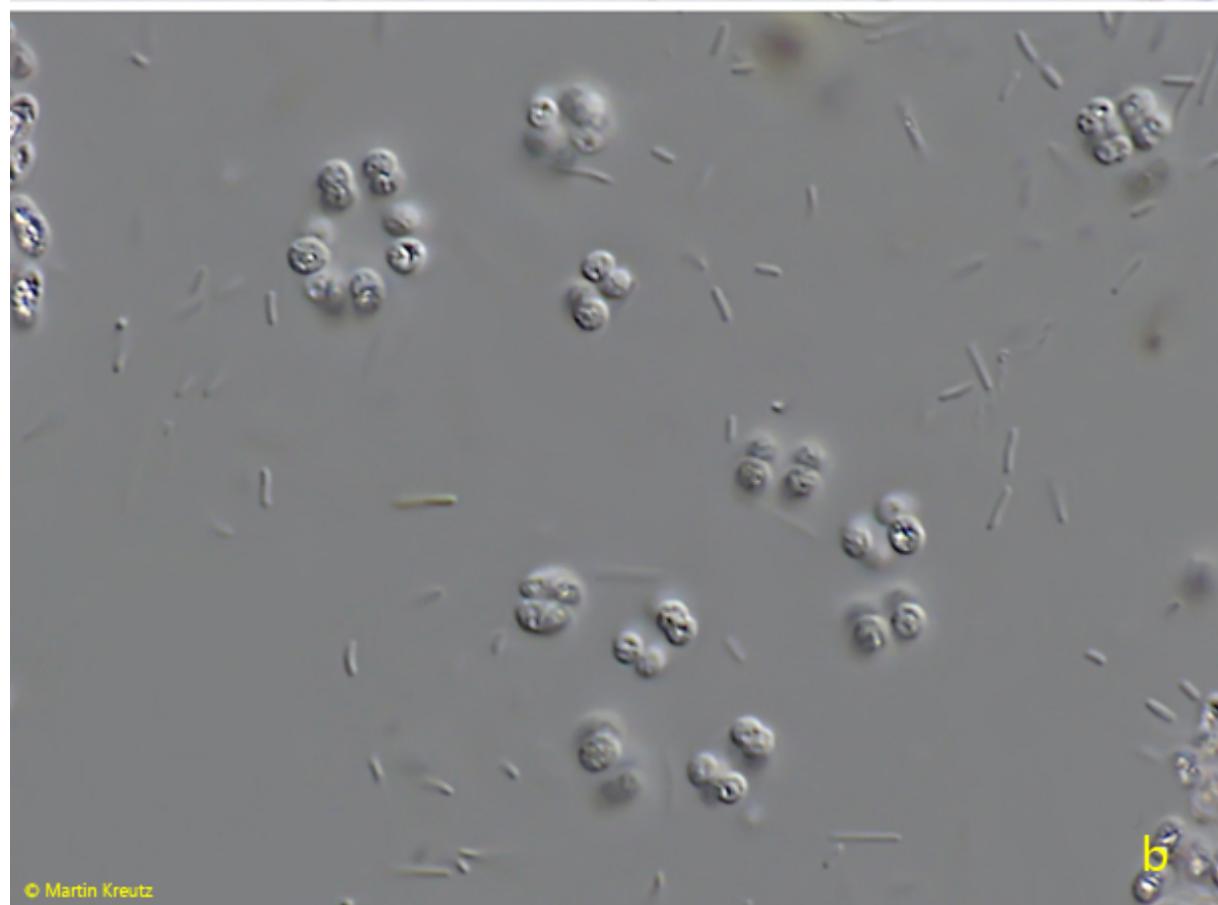
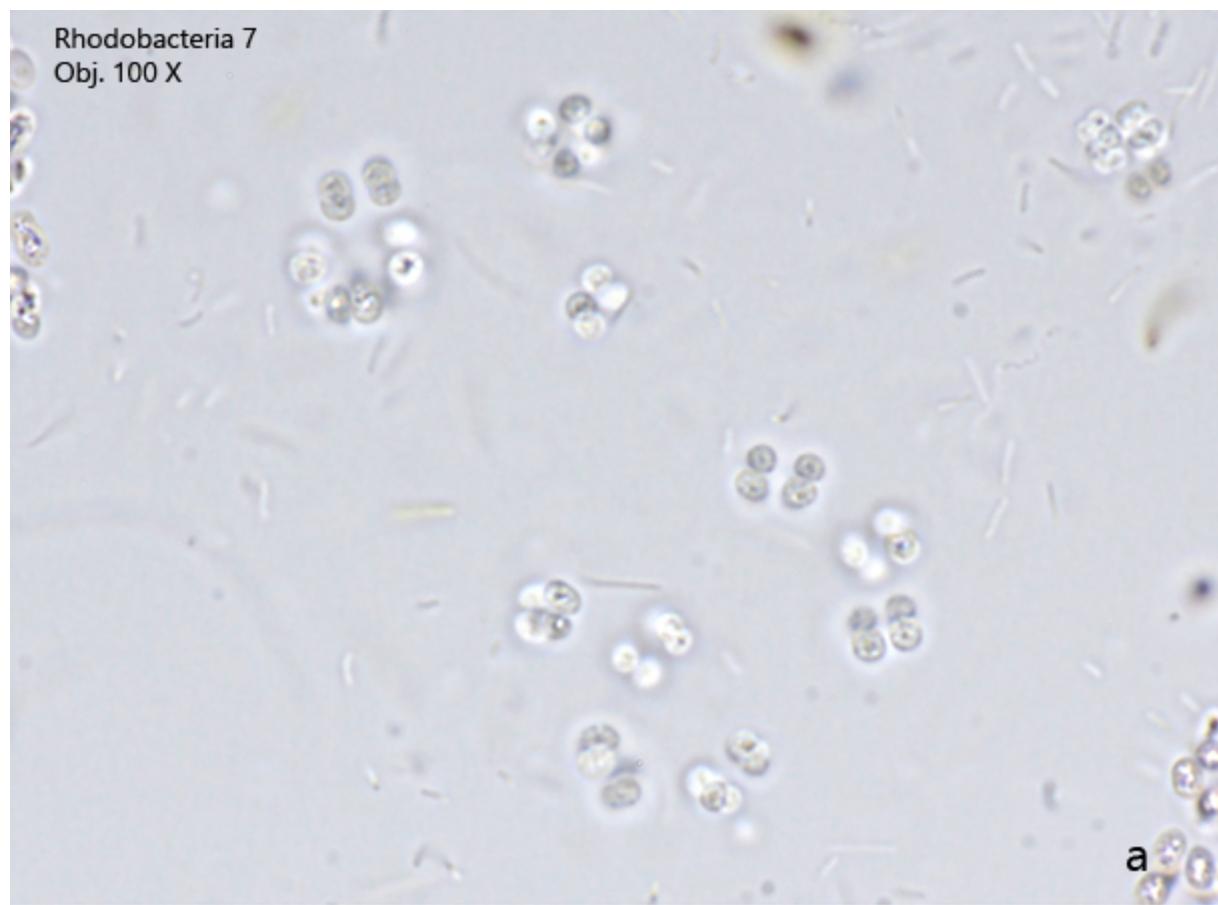
- cells are spherical
- diameter of cells 1.8 – 2.2  $\mu\text{m}$
- cells with highly refractive granules, mainly in the center
- cells are colorless
- colonies consist of loose aggregations of clusters of 2-16 cells
- a gelatinous sheath around the colonies, only visible due to adherent bacteria
- colonies about 20 – 100  $\mu\text{m}$  in diameter

No drawings from previous authors available.

Rhodobacteria 7  
Obj. 100 X

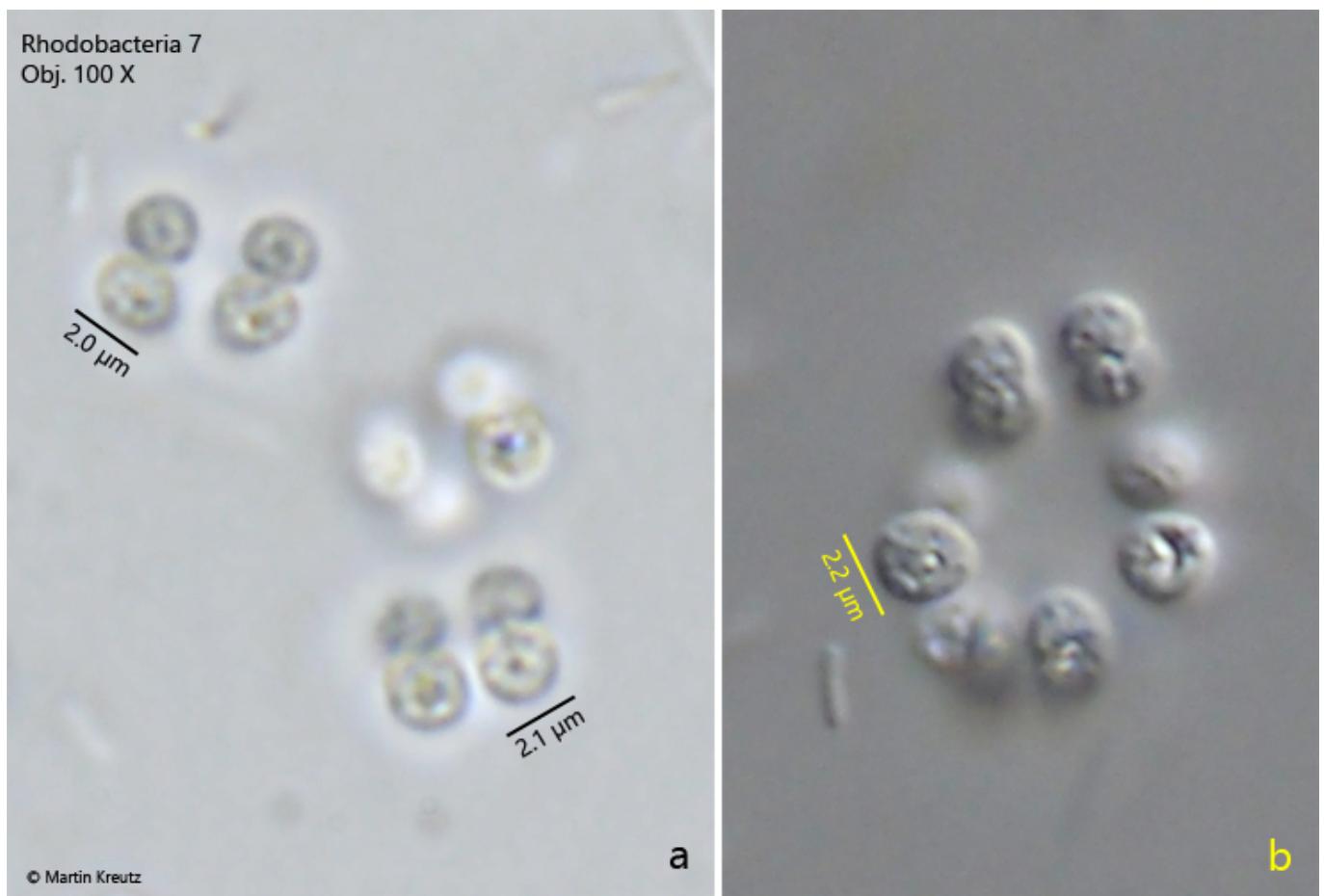


**Fig. 1 a-b:** *Rhodobacteria 7*. D = 1.8 – 2.2  $\mu$ m. A colony of clustered cells in brightfield illumination (a) and DIC (b). Note the rod-shaped bacteria adhering to the gelatinous sheath of the colony. Obj. 100 X.



**Fig. 2 a-b:** *Rhodobacteria 7*. D = 1.8 – 2.2  $\mu$ m. A second colony of clustered cells in brightfield illumination (a) and DIC (b). Obj. 100 X.

Rhodobacteria 7  
Obj. 100 X



**Fig. 3 a-b:** *Rhodobacteria 7*. D = 1.8 – 2.2  $\mu$ m. The cells of in detail in brightfield illumination (a) and DIC (b). Obj. 100 X.