

## ***Rhodobacteria 12***

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

**Synonym:** n.a

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

**Phylogenetic tree:** n.a.

**Diagnosis:**

- the cells are oblong or long ovoid
- length 4.5–10.0  $\mu\text{m}$ , width 2.0–2.3  $\mu\text{m}$
- slightly pink or flesh-like colored
- spherical colonies of about 30–100  $\mu\text{m}$  in diameter
- cells in the colonies tightly packed, not separated from each other
- no visible gelatinous sheath
- many visible division stages in the colonies
- cell content is slightly granulated

No drawings from previous authors available.

I find this form of rhodobacteria very rarely and exclusively in the [Simmelried](#). This species differs from all other types of rhodobacteria by the compact, spherical colonies and the large, up to 10  $\mu\text{m}$  long cells, which are slender oval or oblong shaped.

Rhodobacteria 12  
Obj. 100 X



© Martin Kreutz

**Fig. 1:** *Rhodobacteria 12*. L = 4.0–10.0  $\mu\text{m}$ . A slightly squashed, spherical colony with a diameter of 60  $\mu\text{m}$ . The cells are tightly packed and some cell divisions are visible. Obj. 100 X.