

Spirotaenia cf. endospira

Most likely ID: n.a.

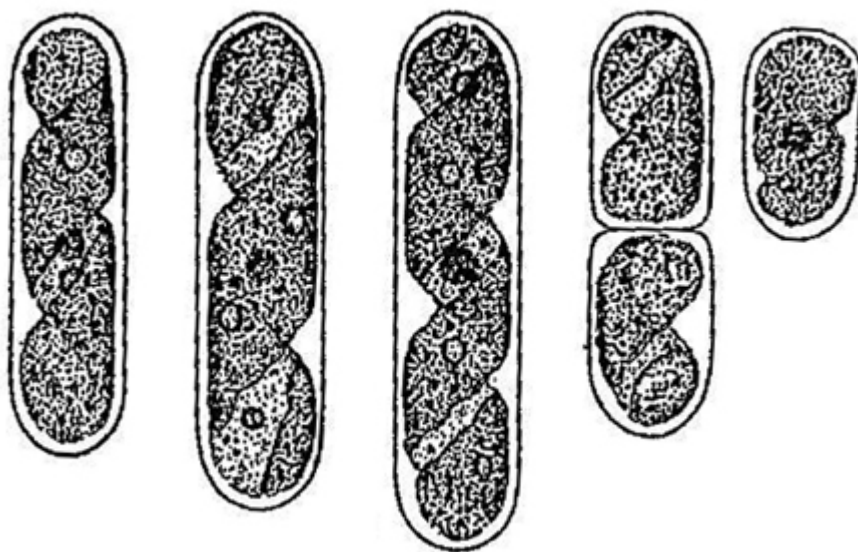
Synonym: n.a.

Sampling location: [Schwemm Moor \(Austria\)](#)

Phylogenetic tree: [Spirotaenia endospira](#)

Diagnosis:

- cells oblong with broadly rounded ends
- several cells in common gelatinous sheath
- cell wall smooth
- length 10-25 μm , width 7-8 μm
- cells 3.5-4.5 times longer than wide
- one spirally curled chloroplast, 1-3 coils
- several pyrenoids



after Lenzenweger

Spirotaenia endospira

In August 2025 I found, in a several-weeks-old sample from the [Schwemm Moor \(Austria\)](#), a few specimens of the genus *Spirotaenia* that bears a strong resemblance to *Spirotaenia endospira* (s. fig. 1 a-b). However, there are two deviations from the described characteristics of *Spirotaenia endospira* (s. diagnosis above). The cells do have a length between 15–26 μm , but with a diameter of 4.5–5.0 μm (instead of 7–8 μm) they are very slender. In addition, the chloroplast in all cells shows at most a single twist. This is also the case in cells with a length of 26 μm .

All other characteristics agree with the description of *Spirotaenia endospira*. Because of these deviations, I would like to designate the find for now as *Spirotaenia* cf. *endospira*. Despite intensive searching, I was unable to find any further specimens in the sample container beyond those shown in fig. 1 a-b.

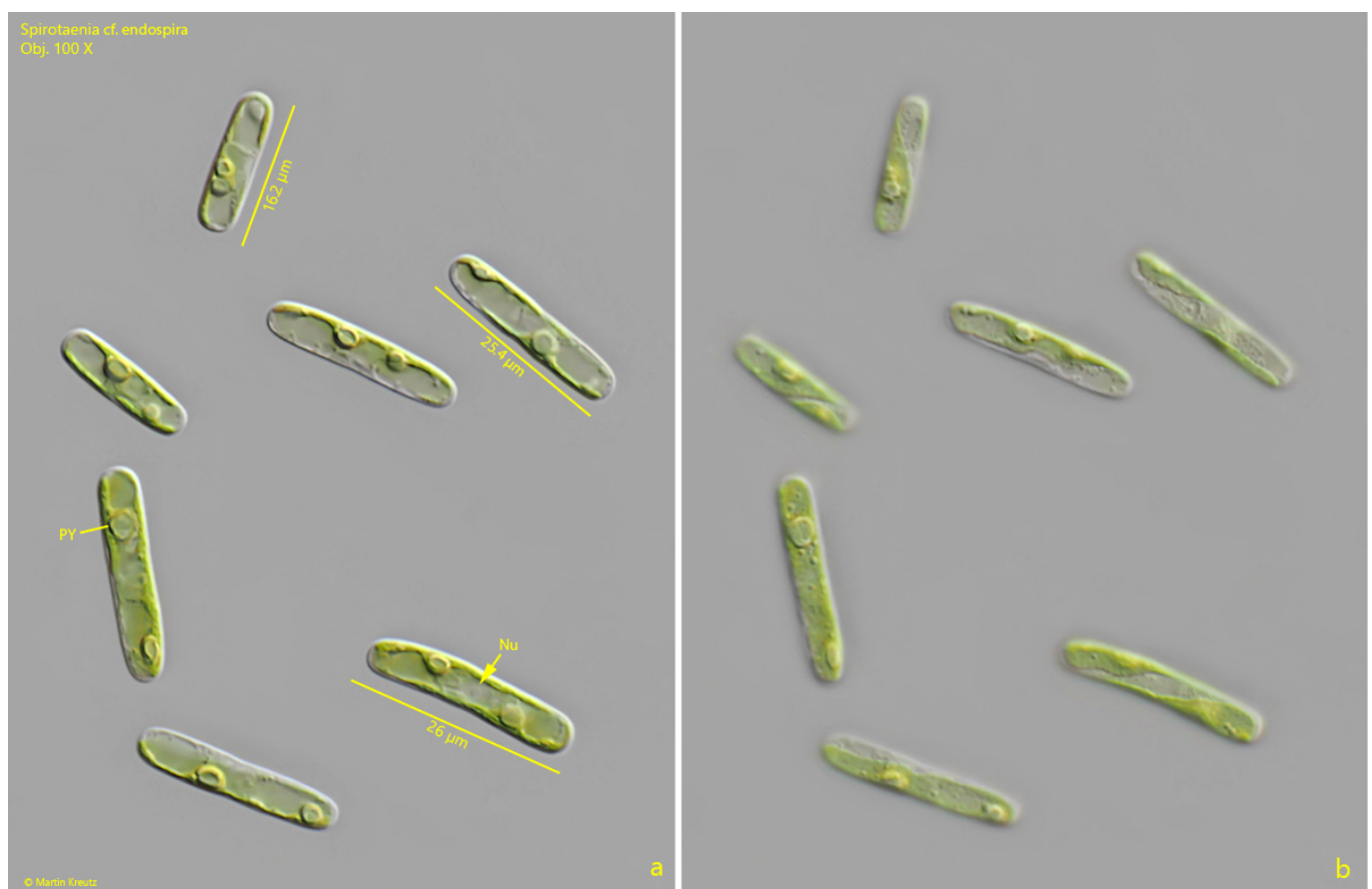


Fig. 1 a-b: *Spirotaenia* cf. *endospira*. L = 15–26 μm . Two focal planes of an agglomeration of some cells. Nu = nucleus, PY = pyrenoid. Obj. 100 X.