

Genus *Spirobacillus*

Etymology

[Spi.ro.ba.ci'llus] **Gr. fem. n.** *speîra*, coil or spiral, referring to this organism spiral shape; **L. masc. n.** *bacillus*, cylindrical or rodlike bacterium; **N.L. masc. n.** *Spirobacillus*, rodlike bacterium, having a spiral shape

Nomenclatural type

Species *Spirobacillus cienkowskii*^{TS}

Description

Spirobacillus, described initially by Elya Metchnikoff (1889). Proteobacteria of the order *Silvanigrellales*. Morphologically distinct as tightly coiled bacteria (3.50 µm in length by 1.07 µm in width), production of a pink carotenoid. Infects the hemolymph of multiple species of *Daphnia*. Basis of assignment: 16S rRNA gene sequence GenBank accession number EU220836, oligonucleotide sequence S-*Smet-1459-a-A-18 complementary to unique region of the 16S rRNA gene. Yet to be cultivated.

Classification

Bacteria » *Bdellovibrionota* » *Oligoflexia* » *Silvanigrellales* » *Silvanigrellaceae* » *Spirobacillus*

References

Effective publication: Angst et al., 2025 [1]
Assigned taxonomically: Hahn, Pitt, 2021 [2]

Registry URL

<https://seqco.de/i:36404>

References

1. Angst et al. (2025). Genomic analysis of the zooplankton-associated pathogenic bacterium *Spirobacillus cienkowskii* reveals its functional and metabolic capacities. *Microbial Genomics*. DOI:10.1099/mgen.0.001463
2. Hahn, Pitt (2021). *Silvanigrella*. *Bergey's Manual of Systematics of Archaea and Bacteria*. DOI:10.1002/9781118960608.qbm01937