

Species *Methanorbis rubei*

Etymology

[ru'be.i] L. gen. masc. n. *rubei*, of the red, referring to the color of the host.

Nomenclatural type

[NCBI Assembly: GCA_032714495.1](#)^{TS}

Reference Strain

Cs1 = [DSM 115765](#)

Description

Ovoid cocci cells 1–3 µm. Non-motile. H₂ and CO₂ are the substrates for methanogenesis; formate can substitute H₂. Yeast extract stimulates growth. The optimum temperature is 33 °C. The G+C content of the type genome is 50.2 mol%, and the genome size is 1.82 Mbp.

Classification

Archaea » *Methanobacteriota* » “Methanomicrobia” » *Methanomicrobiales* » *Methanocorpusculaceae* »
Methanorbis » *Methanorbis rubei*

References

Effective publication: Protasov et al., 2023 [1]

Registry URL

<https://seqco.de/i:32573>

References

1. Protasov et al. (2023). Diversity and taxonomic revision of methanogens and other archaea in the intestinal tract of terrestrial arthropods. *Frontiers in Microbiology*. [DOI:10.3389/fmicb.2023.1281628](https://doi.org/10.3389/fmicb.2023.1281628)