

Genus *Methanorbis*

Etymology

[Me.than.or'bis] N.L. neut. n. *methanum*, methane; L. masc. n. *orbis*, a disk; N.L. masc. n. *Methanorbis*, a methane-producing disk

Nomenclatural type

Species *Methanorbis furvi*^{T5}

Description

The genus is defined by relative evolutionary divergence (RED) and phylogenomic analysis as a monophyletic group. Cells are ovoid cocci 1–3 µm. Non-motile. H₂ and CO₂ are the substrates for methanogenesis; formate can substitute H₂. Acetate and formate are required for growth. The temperature range is 25-40 °C.

Classification

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

References

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

Registry URL

<https://seqco.de/i:32539>

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