

## Genus *Methanorbis*

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### 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*<sup>T5</sup>

### 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. H<sub>2</sub> and CO<sub>2</sub> are the substrates for methanogenesis; formate can substitute H<sub>2</sub>. 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