

## Genus *Methanolapillus*

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### Etymology

[Me.tha.no.la'pil.lus] N.L. pref. *methano-*, pertaining to methane; L. masc. n. *lapillus*, a pebble, gem, jewel; N.L. masc. n. *Methanolapillus*, a methane-producing jewel

### Nomenclatural type

Species *Methanolapillus millepedarum*<sup>Ts</sup>

### Description

The genus is defined by relative evolutionary divergence (RED) and phylogenomic analysis as a monophyletic group. Cells are irregular cocci, 1-2 µm. Cells occur singly or sometimes in aggregates. Nonmotile. Require complex medium with yeast extract, peptone, and casamino acids. Grow between 25-42° C. H<sub>2</sub> and methanol are the substrates for methanogenesis; methylamines can substitute methanol.

### Classification

Archaea » *Methanobacteriota* » "Methanomicrobia" » *Methanosarcinales* » *Methanosarcinaceae* » *Methanolapillus*

### References

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

### Registry URL

<https://seqco.de/i:32601>

## 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