

Species *Methanobacterium limaniae*

Etymology

[li.ma'ni.æ] **N.L. gen. n.** *limaniae*, of a Liman, referring specifically to the Liman irrigation systems employed in the Negev Desert

Nomenclatural type

[NCBI Assembly: GCA_049677355.1](#) ^{Ts}

Description

Phylogenetically affiliated with the genus *Methanobacterium*, phylum *Methanobacteriota*. The genome consists of one circular chromosome of 3,168,381 bp. The DNA G + C content is 33.45 mol%. Strain *Methanobacterium limaniae* EP was cultivated from biocrust of the Negev desert, Israel. Soil hydrogenotrophic methanogen with a rod-shaped morphology. Cells are slender and elongated, typically measuring ~0.5 µm in diameter and 4-5 µm in length. The strain was routinely cultured with 80% H₂ at 32°C in DSM17711 medium.

Classification

Archaea » *Methanobacteriota* » *Methanobacteria* » *Methanobacteriales* » *Methanobacteriaceae* » *Methanobacterium* » *Methanobacterium limaniae*

References

Effective publication: Tian et al., 2026 [1]

Corrigendum: Anonymous, 2026 [2] (from “*Methanobacterium limanae*”)

Registry URL

<https://seqco.de/i:50974>

References

1. Tian et al. (2026). Cultivation and genomic characterization of novel methanogens from arid desert biocrust. *ISME Communications*. DOI:10.1093/ismeco/ycag013
2. Anonymous (2026). Correction to: Cultivation and genomic characterization of novel methanogens from arid desert biocrust. *ISME Communications*. DOI:10.1093/ismeco/ycag047