

Genus *Zestosphaera*

Etymology

[Zes.to.sphae'ra] Gr. adj. *zestos*, hot, boiling; Gr. fem. n. *sphaera*, a ball, a sphere; N.L. fem. n. *Zestosphaera*, a hot sphere

Nomenclatural type

Species *Zestosphaera tikiterensis*^T

Description

Non-motile coccoid cells, approximately 1 µm in diameter. Optimal growth at pH 6.0, 82-83°C. Obligate anaerobe. Thiosulfate required for growth. Heterotrophic, with growth observed on yeast extract, gelatin, casamino acids, and tryptone. Isolated from hot springs. The type species is *Zestosphaera tikiterensis*.

Classification

Archaea » *Thermoproteota* » *Thermoprotei* » *Desulfurococcales* » *Desulfurococcaceae* » *Zestosphaera*

References

Effective publication: St. John et al., 2019 [1]

Assigned taxonomically: St. John et al., 2019 [1]

Registry URL

<https://seqco.de/i:23596>

References

1. St. John et al. (2019). A new symbiotic nanoarchaeote (*Candidatus Nanoclepta minutus*) and its host (*Zestosphaera tikiterensis* gen. nov., sp. nov.) from a New Zealand hot spring. *Systematic and Applied Microbiology*. DOI:10.1016/j.syapm.2018.08.005