



Strain identifier

BacDive ID: 13663 **DOI:** 10.13145/bacdive13663.20191129.4.1
Type strain: yes
Culture col. no.: DSM 3857, ATCC 49971, IFAM 1031

Sections

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Name and taxonomic classification

Ref.: 1485	Domain	Bacteria
Ref.: 1485	Phylum	Proteobacteria
Ref.: 1485	Class	Alphaproteobacteria
Ref.: 1485	Order	Rhodobacterales
Ref.: 1485	Family	Rhodobacteraceae
Ref.: 1485	Genus	Gemmobacter
Ref.: 1485	Species	Gemmobacter aquatilis
Ref.: 1485	Full Scientific Name	Gemmobacter aquatilis Rothe et al. 1988 emend. Chen et al. 2013
Ref.: 1485	Designation:	None
Ref.: 1485	Type strain:	yes

Prokaryotic Nomenclature Up-to-date (PNU)

Ref.: 20215	Domain	Bacteria
Ref.: 20215	Phylum	Proteobacteria
Ref.: 20215	Class	Alphaproteobacteria
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 56:1
Ref.: 20215	Family	Rhodobacteraceae
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 56:1
Ref.: 20215	Genus	Gemmobacter
Ref.: 20215	Taxonomical status	gen. nov. (VL)



Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 38:328
Ref.: 20215	Species	Gemmobacter aquatilis
Ref.: 20215	Taxonomical status	sp. nov. (VL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 38:328
Ref.: 20215	Full Scientific Name	Gemmobacter aquatilis Rothe et al. 1988 emend. Chen et al. 2013

Culture and growth conditions

Ref.: 1485	Culture medium	PYGV AGAR (DSMZ Medium 621), 30°C
Ref.: 1485	Culture medium growth	yes
Ref.: 1485	Culture medium link	https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium621.pdf

Ref.: 1485	Temperatures	Kind of temperature	Temperature
		growth	30 °C

Ref.: 1485	Temperature range	mesophilic
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Isolation, sampling and environmental information

Ref.: 1485	Sample type/isolated from	forest pond
Ref.: 1485	Geographic location (country and/or sea, region)	Michigan, Augusta
Ref.: 1485	Country	USA
Ref.: 1485	Continent	North America

Isolation sources categories	Cat1	Cat2	Cat3
	#Environmental	#Aquatic	#Pond (small)
	#Environmental	#Terrestrial	#Forest

Application and interaction

Ref.: 1485	Biosafety level	1 Risk group (German classification)
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Molecular biology

Ref.: 1485	GC-content	63.0 mol%
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	Sequence database	Sequence accession description	Sequence accession number	Sequence length(bp)	Associated NCBI tax ID
Ref.: 1485	16S rRNA gene, EMBL Genome project data	Gemmobacter aquatilis partial 16S rRNA gene, type strain DSM3857T	FR733676	1454	933059

Strain availability

[Ref.: 1485](#) **Culture collection no.** DSM 3857, ATCC 49971, IFAM 1031

[Ref.: 1485](#) **Strain history** <- E. Stackebrandt <- P. Hirsch

Associated Passport(s) in StrainInfo

[Ref.: 20218](#) 115116 - <http://www.straininfo.net/strains/115116>

[Ref.: 20218](#) 115115 - <http://www.straininfo.net/strains/115115>

[Ref.: 20218](#) 158559 - <http://www.straininfo.net/strains/158559>

References

[Ref.: 1485](#) Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 3857

[Ref.: 20215](#) D.Gleim, M.Kracht, N.Weiss et. al.: Prokaryotic Nomenclature Up-to-date - compilation of all names of Bacteria and Archaea, validly published according to the Bacteriological Code since 1. Jan. 1980, and validly published nomenclatural changes since.

[Ref.: 20218](#) Verslyppe, B., De Smet, W., De Baets, B., De Vos, P., Dawyndt P. StrainInfo introduces electronic passports for microorganisms.. Syst Appl Microbiol. 37: 42-50 2014 (10.1016/j.syapm.2013.11.002, 24321274)

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