



Strain identifier

BacDive ID: 17385 **DOI:** 10.13145/bacdive17385.20190402.4
Type strain: yes
Culture col. no.: DSM 101, ATCC 25396, CCM 1786, NCIB 9271, CCUG 30551, JCM 20518, JCM 6888

Sections

- [Name and taxonomic classification](#)
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- [Application and interaction](#)
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Name and taxonomic classification

Ref.: 2077	Domain	Bacteria
Ref.: 2077	Phylum	Proteobacteria
Ref.: 2077	Class	Alphaproteobacteria
Ref.: 2077	Order	Rhizobiales
Ref.: 2077	Family	Xanthobacteraceae
Ref.: 2077	Genus	Ancylobacter
Ref.: 2077	Species	Ancylobacter aquaticus
Ref.: 2077	Full Scientific Name	Ancylobacter aquaticus (Orskov 1928) Raj 1983
Ref.: 2077	Designation:	None
Ref.: 2077	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	Xanthobacteraceae
Ref.: 20215	Genus	Ancylobacter
Ref.: 20215	Taxonomical status	genus (AL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:225

Ref.: 20215	Species	Ancylobacter aquaticus
Ref.: 20215	Taxonomical status	comb. nov. (VP)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 33:397*
Ref.: 20215	Full Scientific Name	Ancylobacter aquaticus (Ørskov 1928) Raj 1983
Ref.: 20215	Synonym	Microcyclus aquaticus

Culture and growth conditions

Ref.: 2077	Culture medium	ANCYLOBACTER - SPIROSOMA MEDIUM (DSMZ Medium 7), 26°C
Ref.: 2077	Culture medium growth	yes
Ref.: 2077	Culture medium link	https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium7.pdf
Ref.: 2077	Culture medium	HETEROTROPHIC MEDIUM H3P (DSMZ Medium 428), 26°C
Ref.: 2077	Culture medium growth	yes
Ref.: 2077	Culture medium link	https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium428.pdf

Ref.: 2077	Temperatures	<table border="1"> <thead> <tr> <th>Kind of temperature</th> <th>Temperature</th> </tr> </thead> <tbody> <tr> <td>growth</td> <td>26 °C</td> </tr> </tbody> </table>	Kind of temperature	Temperature	growth	26 °C
		Kind of temperature	Temperature			
growth	26 °C					

Ref.: 2077	Temperature range	mesophilic
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Isolation, sampling and environmental information

Ref.: 2077	Sample type/isolated from	lake water
Ref.: 2077	Geographic location (country and/or sea, region)	Copenhagen
Ref.: 2077	Country	Denmark
Ref.: 2077	Continent	Europe

Ref.: 50142	Sample type/isolated from	Lake water
Ref.: 50142	Country	Denmark
Ref.: 50142	Continent	Europe

Isolation sources categories	<table border="1"> <tr> <td>Cat1</td> <td>Cat2</td> <td>Cat3</td> </tr> </table>	Cat1	Cat2	Cat3
Cat1	Cat2	Cat3		

#Environmental	#Aquatic	#Lake (large)
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Application and interaction

Ref.: 2077

Biosafety level

1 Risk group (German classification)

Molecular biology

Ref.: 2077

GC-content

67.3 mol%

	Sequence database	Sequence accession description	Sequence accession number	Sequence length(bp)	Associated NCBI tax ID	
Ref.: 20218	INSDC Sequence	Ancylobacter aquaticus strain ATCC 25396 16S ribosomal RNA gene, partial sequence	M62790	1433	100	*
Ref.: 20218	Marker Gene (DDBJ Direct submission)	Ancylobacter aquaticus mxaF gene for methanol dehydrogenase, partial cds, strain: IAM 12364	AB455976	562	100	*
Ref.: 20218	Marker Gene (DDBJ Direct submission)	Ancylobacter aquaticus gene for 16S rRNA, partial sequence, strain: NBRC 102453	AB681795	1408	100	*

Strain availability

Ref.: 2077

Culture collection no.

DSM 101, ATCC 25396, CCM 1786, NCIB 9271, CCUG 30551, JCM 20518, JCM 6888

Ref.: 2077

Strain history

<- J. Orskov

Associated Passport(s) in StrainInfo

Ref.: 20218

 3647 - <http://www.straininfo.net/strains/3647>

Ref.: 20218

 3644 - <http://www.straininfo.net/strains/3644>

Ref.: 20218

 3646 - <http://www.straininfo.net/strains/3646>

Ref.: 20218

 128106 - <http://www.straininfo.net/strains/128106>

References

Ref.: 2077

Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 101



- [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)
- [Ref.: 50142](#) Culture Collection University of Gothenburg (CCUG); Curators of the CCUG; CCUG 30551

*** These References are textmined**

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