

Strain identifier

BacDive ID: 17 **DOI:** 10.13145/bacdive17.20191129.4.1
Type strain: yes
Culture col. no.: DSM 15551, IFO 16470, NBRC 16470, NRIC 0312

Sections

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Name and taxonomic classification

Ref.: 5997	Domain	Bacteria
Ref.: 5997	Phylum	Proteobacteria
Ref.: 5997	Class	Alphaproteobacteria
Ref.: 5997	Order	Rhizobiales
Ref.: 5997	Family	Acetobacteraceae
Ref.: 5997	Genus	Acetobacter
Ref.: 5997	Species	Acetobacter tropicalis
Ref.: 5997	Full Scientific Name	Acetobacter tropicalis Lisdiyanti et al. 2001
Ref.: 5997	Designation:	None
Ref.: 5997	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	Acetobacteraceae
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:7*
Ref.: 20215	Genus	Acetobacter
Ref.: 20215	Taxonomical status	genus (AL)



Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:225
Ref.: 20215	Species	Acetobacter tropicalis
Ref.: 20215	Taxonomical status	sp. nov. (VL)
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 51:263
Ref.: 20215	Full Scientific Name	Acetobacter tropicalis Lisdiyanti et al. 2001

Culture and growth conditions

Ref.: 5997	Culture medium	ACETIC ACID BACTERIUM MEDIUM (DSMZ Medium 989), 30°C
Ref.: 5997	Culture medium growth	yes
Ref.: 5997	Culture medium link	https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium989.pdf

Ref.: 5997	Temperatures	Kind of temperature	Temperature
		growth	30 °C

Ref.: 5997	Temperature range	mesophilic
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Isolation, sampling and environmental information

Ref.: 5997	Sample type/isolated from	coconut juice, Cioccos nucifera
Ref.: 5997	Host species	Cioccos nucifera
Ref.: 5997	Country	Indonesia
Ref.: 5997	Continent	Asia

Isolation sources categories	Cat1	Cat2	Cat3
	#Host Body-Site	#Plant	#Fruit (Seed)
	#Host Body Product	#Plant	#Juice (natural)

Application and interaction

Ref.: 5997	Biosafety level	1 Risk group (German classification)
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Molecular biology

	Sequence database	Sequence accession description	Sequence accession number	Sequence length(bp)	Associated NCBI tax ID

Ref.: 5997	16S rRNA gene, Marker Gene (DDBJ Direct submission)	Acetobacter tropicalis gene for 16S rRNA, partial sequence, strain: NRIC 0312, isolate: No.39	AB032355	1443	104102	
Ref.: 20218	Marker Gene (EMBL Direct submission)	Acetobacter tropicalis partial recA gene for recombinase A, strain LMG 19825	AJ519483	458	104102	*
Ref.: 20218	Marker Gene (GenBank Direct submission)	Acetobacter tropicalis strain LMG 19825 heat shock protein 70 (dnaK) gene, partial cds	KF537411	648	104102	*
Ref.: 20218	Marker Gene (GenBank Direct submission)	Acetobacter tropicalis strain LMG 19825 heat shock protein 60 (groEL) gene, partial cds	KF537469	756	104102	*
Ref.: 20218	Marker Gene (GenBank Direct submission)	Acetobacter tropicalis strain LMG 19825 RNA polymerase beta-subunit (rpoB) gene, partial cds	KF537527	810	104102	*
Ref.: 20218	Marker Gene (DDBJ Direct submission)	Acetobacter tropicalis cyto3, cyto1, cyto2, adhA, adhB genes for cytochrome o ubiquinol oxidase subunit III, cytochrome o ubiquinol oxidase subunit I, cytochrome o ubiquinol oxidase subunit II, hypothetical protein, membrane-bound alcohol dehydrogenase subunit I, membrane-bound alcohol dehydrogenase subunit II, complete cds, strain: NBRC 16470	AB623210	9900	104102	*
Ref.: 20218	Marker Gene (DDBJ Direct submission)	Acetobacter tropicalis gene for 16S rRNA, partial sequence, strain: NBRC 16470	AB681066	1417	104102	*
Ref.: 20218	Marker Gene (DDBJ Direct submission)	Acetobacter tropicalis gene for 16S rRNA, partial sequence, strain: NRIC 0312, isolate: No.3	AB032354	1451	104102	*

Strain availability

[Ref.: 5997](#) **Culture collection no.** DSM 15551, IFO 16470, NBRC 16470, NRIC 0312

[Ref.: 5997](#) **Strain history** <- IFO

Associated Passport(s) in StrainInfo

- Ref.: 20218 371158 - <http://www.straininfo.net/strains/371158>
- Ref.: 20218 57664 - <http://www.straininfo.net/strains/57664>
- Ref.: 20218 336819 - <http://www.straininfo.net/strains/336819>
- Ref.: 20218 57666 - <http://www.straininfo.net/strains/57666>

References

- Ref.: 5997 Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 15551
- 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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