

Strain identifier

BacDive ID: 5464 **DOI:** 10.13145/bacdive5464.20190402.4
Type strain: yes **Designation:** B1
Culture col. no.: DSM 3658, ATCC 49458, IAM 14117, JCM 8513, LMG 13036, NBRC 15940, NCIMB 1402

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Name and taxonomic classification

Ref.: 1442	Domain	Bacteria
Ref.: 1442	Phylum	Bacteroidetes
Ref.: 1442	Class	Cytophagia
Ref.: 1442	Order	Cytophagales
Ref.: 1442	Family	Persicobacteraceae
Ref.: 1442	Genus	Persicobacter
Ref.: 1442	Species	Persicobacter diffluens
Ref.: 1442	Full Scientific Name	Persicobacter diffluens (Reichenbach 1989) Nakagawa et al. 1997 emend. Muramatsu et al. 2010
Ref.: 1442	Designation:	B1
Ref.: 1442	Type strain:	yes

Prokaryotic Nomenclature Up-to-date (PNU)

Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 62:1
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 61:2346*
Ref.: 20215	Genus	Persicobacter
Ref.: 20215	Taxonomical status	genus (AL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:225
Ref.: 20215	Species	Persicobacter diffluens
Ref.: 20215	Taxonomical status	comb. nov. (VP)
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 60:1735*



Ref.: 20215	Full Scientific Name	Persicobacter diffluens (Reichenbach 1989) Nakagawa et al. 1997 emend. Muramatsu et al. 2010
Ref.: 20215	Synonym	Cytophaga diffluens

Culture and growth conditions

Ref.: 1442	Culture medium	CYTOPHAGA (marine) MEDIUM (DSMZ Medium 172), 22°C
Ref.: 1442	Culture medium growth	yes
Ref.: 1442	Culture medium link	https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium172.pdf

Ref.: 1442	Temperatures	Kind of temperature	Temperature
		growth	20-25 °C

Isolation, sampling and environmental information

Ref.: 1442	Sample type/isolated from	marine mud
Ref.: 1442	Geographic location (country and/or sea, region)	Bombay
Ref.: 1442	Country	India
Ref.: 1442	Continent	Asia

Isolation sources categories	Cat1	Cat2	Cat3
	#Environmental	#Aquatic	#Marine
	#Environmental	#Aquatic	#Mud (Sludge)

Application and interaction

Ref.: 1442	Biosafety level	1 Risk group (German classification)
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Molecular biology

Ref.: 1442	GC-content	42.3 mol%
Ref.: 1442	GC-content	42.6-43.8 mol% high performance liquid chromatography (HPLC)

Sequence database	Sequence accession description	Sequence accession number	Sequence length(bp)	Associated NCBI tax ID
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Ref.: 20218	Marker Gene (DDBJ Direct submission)	Persicobacter diffluens gyrB gene for DNA gyrase B subunit, partial cds	AB034219	1431	981	*
Ref.: 20218	Marker Gene (DDBJ Direct submission)	Persicobacter diffluens gene for 16S ribosomal RNA, partial sequence, strain: NCIMB 1402	D12660	1256	981	*
Ref.: 1442	DDBJ EMBL Direct submission		AB260929			

Strain availability

Ref.: 1442 **Culture collection no.** DSM 3658, ATCC 49458, IAM 14117, JCM 8513, LMG 13036, NBRC 15940, NCIMB 1402

Ref.: 1442 **Strain history** <- H. Reichenbach <- NCMB <- R.A. Lewin, B1 <- Y. Freitas

Associated Passport(s) in StrainInfo

- Ref.: 20218 38783 - <http://www.straininfo.net/strains/38783>
- Ref.: 20218 121410 - <http://www.straininfo.net/strains/121410>
- Ref.: 20218 38784 - <http://www.straininfo.net/strains/38784>
- Ref.: 20218 184174 - <http://www.straininfo.net/strains/184174>
- Ref.: 20218 38782 - <http://www.straininfo.net/strains/38782>
- Ref.: 20218 335551 - <http://www.straininfo.net/strains/335551>
- Ref.: 20218 38785 - <http://www.straininfo.net/strains/38785>

References

- Ref.: 1442 Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 3658
- 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)

* These References are textmined

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