



Strain identifier

BacDive ID: 13122 **DOI:** 10.13145/bacdive13122.20190402.4
Type strain: yes **Designation:** BKME-9
Culture col. no.: DSM 17554, ATCC 700689, CIP 106708, CCUG 50779

Sections

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Name and taxonomic classification

Ref.: 6970	Domain	Bacteria
Ref.: 6970	Phylum	Proteobacteria
Ref.: 6970	Class	Gammaproteobacteria
Ref.: 6970	Order	Pseudomonadales
Ref.: 6970	Family	Pseudomonadaceae
Ref.: 6970	Genus	Pseudomonas
Ref.: 6970	Species	Pseudomonas abietaniphila
Ref.: 6970	Full Scientific Name	Pseudomonas abietaniphila Mohn et al. 1999
Ref.: 6970	Designation:	BKME-9
Ref.: 6970	Type strain:	yes

Prokaryotic Nomenclature Up-to-date (PNU)

Ref.: 20215	Domain	Bacteria
Ref.: 20215	Phylum	Proteobacteria
Ref.: 20215	Class	Gammaproteobacteria
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 55:2236
Ref.: 20215	Family	Pseudomonadaceae
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:237
Ref.: 20215	Genus	Pseudomonas



Ref.: 20215	Taxonomical status	genus (AL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:225
Ref.: 20215	Species	Pseudomonas abietaniphila
Ref.: 20215	Taxonomical status	sp. nov. (VL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 49:935
Ref.: 20215	Full Scientific Name	Pseudomonas abietaniphila Mohn et al. 1999

Morphology and physiology

Ref.: 58992	Oxygen tolerance	aerobe
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Culture and growth conditions

Ref.: 6970	Culture medium	TRYPTICASE SOY BROTH AGAR (DSMZ Medium 535), 30°C
Ref.: 6970	Culture medium growth	yes
Ref.: 6970	Culture medium link	https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium535.pdf

Ref.: 40385	Culture medium	MEDIUM 72- for trypto casein soja agar
Ref.: 40385	Culture medium growth	yes
Ref.: 40385	Culture medium composition	Distilled water make up to (1000.000 ml);Trypto casein soy agar (40.000 g)

	Temperatures	
Ref.: 6970		
Ref.: 40385		
Ref.: 58992		

Kind of temperature	Temperature
growth	30 °C
growth	30 °C
growth	30 °C

Ref.: 6970	Temperature range	mesophilic
Ref.: 40385	Temperature range	mesophilic
Ref.: 58992	Temperature range	mesophilic

Isolation, sampling and environmental information

Ref.: 6970	Sample type/isolated from	bleached kraft mill effluent
Ref.: 6970	Geographic location (country and/or sea, region)	Kamloops, B.C.



Pseudomonas abietaniphila

Ref.: 6970	Country	Canada
Ref.: 6970	Continent	North America
Ref.: 58992	Sample type/isolated from	Bleached kraft mill effluent
Ref.: 58992	Sampling date	1995
Ref.: 58992	Geographic location (country and/or sea, region)	British Columbia
Ref.: 58992	Country	Canada
Ref.: 58992	Continent	North America

Isolation sources categories

Cat1	Cat2	Cat3
#Engineered	#Waste	#Industrial wastewater

Application and interaction

Ref.: 6970	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.: 20218	Marker Gene (GenBank Direct submission)	Pseudomonas abietaniphila BKME-9 DitQ (ditQ), DitP (ditP), DitO (ditO), DitN (ditN), DitM (ditM), DitL (ditL), DitK (ditK), DitJ (ditJ), DitI (ditI), dioxygenase DitA oxygenase component small subunit (ditA2), dioxygenase DitA oxygenase component large subunit (ditA1), DitH (ditH), DitG (ditG), DitF (ditF), DitR (ditR), DitE (ditE), DitD (ditD), aromatic diterpenoid extradiol ring-cleavage dioxygenase (ditC), DitB (ditB), and dioxygenase DitA ferredoxin component (ditA3) genes, complete cds; and unknown genes	AF119621	26386	89065

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Ref.: 20218	Marker Gene (EMBL Direct submission)	Pseudomonas abietaniphila partial rpoB gene for DNA-directed RNA polymerase beta chain, strain CIP 106708T	AJ717416	966	89065	*
Ref.: 20218	Marker Gene (EMBL Direct submission)	Pseudomonas abietaniphila partial gyrB gene for DNA gyrase subunit B, type strain ATCC 700689T	FN554166	798	89065	*
Ref.: 20218	Marker Gene (EMBL Direct submission)	Pseudomonas abietaniphila partial rpoD gene for DNA-directed RNA polymerase subunit D, type strain ATCC 700689T	FN554447	708	89065	*
Ref.: 6970	EMBL Direct submission		AJ011504			

Strain availability

Ref.: 6970 **Culture collection no.** DSM 17554, ATCC 700689, CIP 106708, CCUG 50779

Ref.: 6970 **Strain history** <- W. W. Mohn <- P. Bicho; BKME-9

Associated Passport(s) in StrainInfo

- Ref.: 20218 661985 - <http://www.straininfo.net/strains/661985>
- Ref.: 20218 118343 - <http://www.straininfo.net/strains/118343>
- Ref.: 20218 154067 - <http://www.straininfo.net/strains/154067>

References

- Ref.: 6970 Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 17554
- 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.: 40385 None; Curators of the CIP; None
- Ref.: 58992 Culture Collection University of Gothenburg (CCUG); Curators of the CCUG; CCUG 50779

* **These References are textmined**

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