Sphingomonas trueperi

Strain identifier

BacDive ID:	14226	**DOI:**	10.13145/bacdive14226.20190402.4
Type strain:	yes		
Culture col. no.:	DSM 7225, ATCC 12417, LMG 2141, LMG 2142, NCIB 9391		

Sections

Name and taxonomic classification

Ref.: 3060	**Domain**	Bacteria
Ref.: 3060	**Phylum**	Proteobacteria
Ref.: 3060	**Class**	Alphaproteobacteria
Ref.: 3060	**Order**	Sphingomonadales
Ref.: 3060	**Family**	Sphingomonadaceae
Ref.: 3060	**Genus**	Sphingomonas
Ref.: 3060	**Species**	Sphingomonas trueperi
Ref.: 3060	**Full Scientific Name**	Sphingomonas trueperi Kämpfer et al. 1997
Ref.: 3060	**Designation:**	None
Ref.: 3060	**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**	Sphingomonadaceae
Ref.: 20215	**Genus**	Sphingomonas
Ref.: 20215	Taxonomical status	gen. nov. (VL)

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Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 40:320
Ref.: 20215	**Species**	Sphingomonas trueperi
Ref.: 20215	Taxonomical status	sp. nov. (VP)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 47:577*
Ref.: 20215	**Full Scientific Name**	Sphingomonas trueperi Kämpfer et al. 1997

Morphology and physiology

Ref.: 3060	**Name of produced compound**	coenzyme Q-10

Culture and growth conditions

Ref.: 3060	**Culture medium**	NUTRIENT AGAR (OXOID CM3) (DSMZ Medium 605), 25°C
Ref.: 3060	**Culture medium growth**	yes
Ref.: 3060	**Culture medium link**	https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium605.pdf
Ref.: 41574	**Culture medium**	MEDIUM 3 - Columbia agar
Ref.: 41574	**Culture medium growth**	yes
Ref.: 41574	**Culture medium composition**	Columbia agar (39.000 g);distilled water (1000.000 ml)

Temperatures

	Kind of temperature	Temperature
Ref.: 3060	growth	25 °C
Ref.: 41574	growth	30 °C

Ref.: 3060	**Temperature range**	mesophilic
Ref.: 41574	**Temperature range**	mesophilic

Isolation, sampling and environmental information

Ref.: 3060	**Sample type/isolated from**	soil
Ref.: 3060	**Country**	USA
Ref.: 3060	**Continent**	North America

Isolation sources categories

Cat1	Cat2	Cat3
#Environmental	#Terrestrial	#Soil

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Application and interaction

Ref.: 3060	**Biosafety level**	1 Risk group (German classification)

Molecular biology

	Sequence database	Sequence accession description	Sequence accession number	Sequence length(bp)	Associated NCBI tax ID	
Ref.: 20218	Marker Gene (EMBL Direct submission)	S.trueperi 16S rRNA gene	X97776	1461	53317	*
Ref.: 20218	Marker Gene (DDBJ Direct submission)	Sphingomonas trueperi gene for 16S rRNA, partial sequence, strain: NBRC 100456	AB681173	1414	53317	*

Strain availability

Ref.: 3060	**Culture collection no.**	DSM 7225, ATCC 12417, LMG 2141, LMG 2142, NCIB 9391
Ref.: 3060	**Strain history**	<- LMG <- NCIB <- ATCC (*Pseudomonas azotocolligans*) <- G. Anderson

Associated Passport(s) in StrainInfo

Ref.: 20218	16746 - http://www.straininfo.net/strains/16746
Ref.: 20218	16745 - http://www.straininfo.net/strains/16745
Ref.: 20218	16747 - http://www.straininfo.net/strains/16747
Ref.: 20218	16744 - http://www.straininfo.net/strains/16744
Ref.: 20218	160634 - http://www.straininfo.net/strains/160634

References

Ref.: 3060	Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 7225
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.: 41574	

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