Streptomyces leeuwenhoekii

Strain identifier

BacDive ID:	130720	**DOI:**	10.13145/bacdive130720.20191129.4.1
Type strain:	yes	**Designation:**	C34
Culture col. no.:	DSM 42122, NRRL B-24963		

Sections

Name and taxonomic classification

Ref.: 21953	**Domain**	Bacteria
Ref.: 21953	**Phylum**	Actinobacteria
Ref.: 21953	**Class**	Actinobacteria
Ref.: 21953	**Order**	Actinomycetales
Ref.: 21953	**Family**	Streptomycetaceae
Ref.: 21953	**Genus**	Streptomyces
Ref.: 21953	**Species**	Streptomyces leeuwenhoekii
Ref.: 21953	**Full Scientific Name**	Streptomyces leeuwenhoekii Busarakam et al. 2014
Ref.: 21953	**Designation:**	C34
Ref.: 21953	**Type strain:**	yes

Prokaryotic Nomenclature Up-to-date (PNU)

Ref.: 20215	**Domain**	Bacteria
Ref.: 20215	**Phylum**	Actinobacteria
Ref.: 20215	**Class**	Actinobacteria
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 47:479*
Ref.: 20215	**Family**	Streptomycetaceae
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:225
Ref.: 20215	**Genus**	Streptomyces
Ref.: 20215	Taxonomical status	genus (AL)

Streptomyces leeuwenhoekii

Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:225
Ref.: 20215	**Species**	Streptomyces leeuwenhoekii
Ref.: 20215	Taxonomical status	sp. nov. (VL)
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 64:2927
Ref.: 20215	**Full Scientific Name**	Streptomyces leeuwenhoekii Busarakam et al. 2014

Morphology and physiology

Ref.: 21953	**Name of produced compound**	chaxalactins
Ref.: 21953	**Name of produced compound**	chaxamycins
Ref.: 21953	**Multimedia content**	
Ref.: 21953	**Caption**	Medium 65 28°C
Ref.: 21953	**License/Copyright**	(C) Leibniz-Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH
Ref.: 21953	**Intellectual property rights**	© Leibniz-Institut DSMZ

Culture and growth conditions

Ref.: 21953	**Culture medium**	GYM STREPTOMYCES MEDIUM (DSMZ Medium 65), 28°C
Ref.: 21953	**Culture medium growth**	yes
Ref.: 21953	**Culture medium link**	https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium65.pdf

Temperatures

Ref.: 21953

Kind of temperature	Temperature
growth	28 °C

Ref.: 21953	**Temperature range**	mesophilic

Isolation, sampling and environmental information

Ref.: 21953	**Sample type/isolated from**	hyper-arid desert soil
Ref.: 21953	**Geographic location (country and/or sea, region)**	Chaxa de Laguna, Salar de Atacama
Ref.: 21953	**Country**	Chile
Ref.: 21953	**Continent**	Middle and South America
Ref.: 21953	**Geographic location**	-23.2833°/-68.1667°

Isolation sources categories

Cat1	Cat2	Cat3
#Environmental	#Terrestrial	#Desert
#Environmental	#Terrestrial	#Soil
#Climate	#Hot	#Arid

Molecular biology

Ref.: 21953	**GC-content**	72.6 mol% high performance liquid chromatography (HPLC)

	Sequence database	Sequence accession description	Sequence accession number	Sequence length(bp)	Associated NCBI tax ID
Ref.: 21953	16S rRNA gene, Marker Gene (GenBank Direct submission)	Streptomyces leeuwenhoekii 16S ribosomal RNA gene, partial sequence	KF733382	1416	1437453

Strain availability

Ref.: 21953	**Culture collection no.**	DSM 42122, NRRL B-24963

Ref.: 21953	**Strain history**	<- M. Goodfellow, Newcastle University; C34 <- C. K. Okoro

Associated Passport(s) in StrainInfo

Ref.: 20218	125294 - http://www.straininfo.net/strains/125294
Ref.: 20218	897492 - http://www.straininfo.net/strains/897492

References

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.: 21953	Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 42122

*** These References are textmined**

back to top