



Strain identifier

BacDive ID: 131332 **DOI:** 10.13145/bacdive131332.20190402.4
Type strain: yes **Designation:** YG4-6
Culture col. no.: DSM 26899, CGMCC 1.12491

Sections

- [Name and taxonomic classification](#)
- [Culture and growth conditions](#)
- [Isolation, sampling and environmental information](#)
- [Molecular biology](#)
- [Strain availability](#)
- [References](#)

Name and taxonomic classification

Ref.: 22559	Domain	Bacteria
Ref.: 22559	Phylum	Bacteroidetes
Ref.: 22559	Class	Flavobacteriia
Ref.: 22559	Order	Flavobacteriales
Ref.: 22559	Family	Flavobacteriaceae
Ref.: 22559	Genus	Chryseobacterium
Ref.: 22559	Species	Chryseobacterium polytrichastri
Ref.: 22559	Full Scientific Name	Chryseobacterium polytrichastri Chen et al. 2015
Ref.: 22559	Designation:	YG4-6
Ref.: 22559	Type strain:	yes

Prokaryotic Nomenclature Up-to-date (PNU)

Ref.: 20215	Domain	Bacteria
Ref.: 20215	Phylum	Bacteroidetes
Ref.: 20215	Class	Flavobacteriia
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 62:1017
Ref.: 20215	Family	Flavobacteriaceae
Ref.: 20215	Genus	Chryseobacterium
Ref.: 20215	Taxonomical status	gen. nov. (VP)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 44:827*
Ref.: 20215	Species	Chryseobacterium polytrichastri



Chryseobacterium polytrichastri

Ref.: 20215	Taxonomical status	sp. nov. (VL)
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 65:1105
Ref.: 20215	Full Scientific Name	Chryseobacterium polytrichastri Chen et al. 2015

Culture and growth conditions

Ref.: 22559	Culture medium	TGY MEDIUM (DSMZ Medium 1496), 28°C
Ref.: 22559	Culture medium growth	yes
Ref.: 22559	Culture medium link	https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium1496.pdf

Isolation, sampling and environmental information

Ref.: 22559	Sample type/isolated from	surface-disinfected moss (Polytrichastrum formosum)
Ref.: 22559	Host species	Polytrichastrum formosum
Ref.: 22559	Geographic location (country and/or sea, region)	Tibet province, Gawalong glacier zone (29° 38' 58.66" N, 91° 06' 56.34" E)
Ref.: 22559	Country	China
Ref.: 22559	Continent	Asia
Ref.: 22559	Geographic location	29.6496°/91.1156°

Isolation sources categories

Cat1	Cat2	Cat3
#Host	#Plants	#Moss
#Host Body-Site	#Plant	#Sterilized plant part

Molecular biology

Ref.: 22559	GC-content	37.3 mol% thermal denaturation, midpoint method (Tm)
-------------	-------------------	--

	Sequence database	Sequence accession description	Sequence accession number	Sequence length(bp)	Associated NCBI tax ID
Ref.: 22559	GenBank Direct submission	Chryseobacterium polytrichastri strain YG4-6 16S ribosomal RNA gene, partial sequence	KC560018	1478	1302687

Strain availability

Ref.: 22559	Culture collection no.	DSM 26899, CGMCC 1.12491
-------------	-------------------------------	--------------------------



[Ref.: 22559](#)

Strain history

<- Y. Li, College of Life Sci., Capital Normal Univ., Beijing , PR China; YG4-6 <- X. Chen and R. Zhao

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.: 22559](#)

Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 26899

*** These References are textmined**

[back to top](#)