

Name: ***Streptomyces yunnanensis***

Author(s): Zhang et al. 2003

Status: New Species

Reference(s): Int. J. Syst. Evol. Microbiol. 53:220

Risk group: 1 (German classification)

Type strain: CCRC 16301, CGMCC 4.1004, DSM 41793

Author(s) Zhang, Q., Li, W.-J., Cui, X.-L., Li, M.-G., Xu, L.-H.,
Jiang, C.-L.

Title *Streptomyces yunnanensis* sp. nov., a mesophile from soils
in Yunnan, China.

Journal Int. J. Syst. Evol. Microbiol.

Volume 53

Page(s) 217-221

Year 2003

Genus: *Streptomyces*

FH 6376

Species: *yunnanensis*

Numbers in other collections: **DSM 41793**

Morphology:

	G	R
<u>ISP 2</u>	good	brown beige
	A	SP
	quartz grey	none
	G	R
<u>ISP 3</u>	good	brown beige
	A	SP
	quartz grey	none
	G	R
<u>ISP 4</u>	good	brown beige
	A	SP
	quartz grey	none
	G	R
<u>ISP 5</u>	good	beige
	A	SP
	light grey	none
	G	R
<u>ISP 6</u>	good	beige
	A	SP
	light grey	none
	G	R
<u>ISP 7</u>	good	beige
	A	SP
	light grey	none

Spore chains:

Spore surface:

Sporangia: -

Fragmentation: -

Melanoid pigment: - - - -

NaCl resistance: %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 28 °C

Carbon utilization:

Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
+	-	+	-	+	+	+	-	+	+

Enzymes:

Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
+	-	+	+	+	-	(+)	-	-	-	-
2+	3-	4+	5-	6+	7+	8(+)	9+	10+	11+	
12+	13-	14-	15-	16+	17+	18+	19+	20-		

Comments:



Streptomyces yunnanensis

A and B – Agar plates medium 5006, 5265 and 5315



Streptomyces yunnanensis

C and D – Microplate with ISP- and melanin media