

Name: ***Streptomyces kunmingensis***  
Authors: (Ruan et al. 1985) Goodfellow et al. 1986  
Status: New Combination  
Reference(s): Int. J. Syst. Bacteriol. 36:574 (validation list)  
Risk group: 1 (German classification)  
Type strain: 80-3024, ATCC 35682, DSM 41681

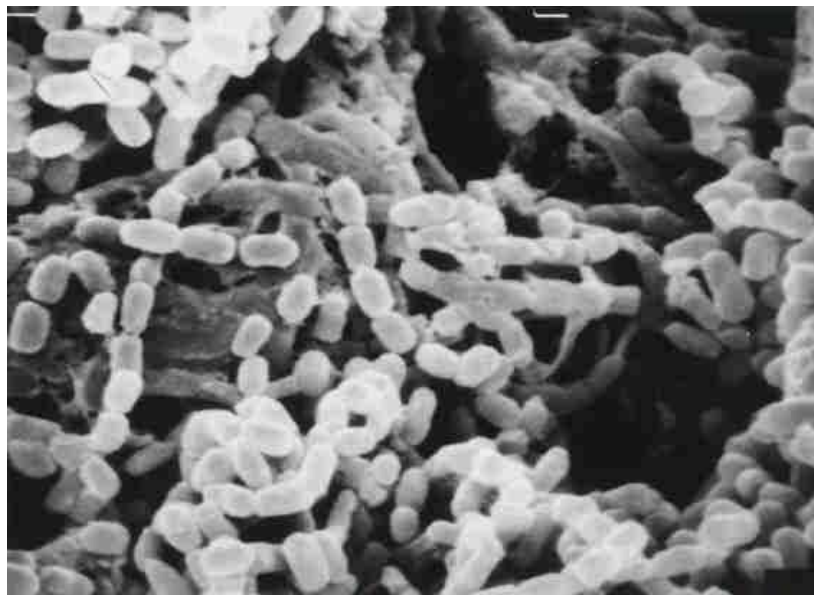
Other names: *Chainia kunmingensis* (basonym)

Author(s) Ruan, J., Lechevalier, M. P., Jiang, C., Lechevalier, H. A.  
Title *Chainia kunmingensis*, a new actinomycete species found in soil.

Journal Int. J. Syst. Bacteriol.  
Volume 35  
Page(s) 164-168  
Year 1985

Author(s) Goodfellow, M., Williams, S. T., Alderson, G.  
Title Transfer of *Chainia* species to the genus *Streptomyces* with emended description of species.

Journal Syst. Appl. Microbiol.  
Volume 8  
Page(s) 55-60  
Year 1986



### ***Streptomyces kunmingensis***

A – Spore surface in SEM (x 7.500)

**Genus:** *Streptomyces*

FH 2151

**Species:** *kunmingensis*

**Numbers in other collections:** ATCC 35682

Morphology:

	G	R
<u>ISP 2</u>	good	brown
	A	SP
	white	none
	G	R
<u>ISP 3</u>	good	beige
	A	SP
	brown	none
	G	R
<u>ISP 4</u>	good	red
	A	SP
	white	none
	G	R
<u>ISP 5</u>	good	brown
	A	SP
	white	none
	G	R
<u>ISP 6</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	brown
	A	SP
	white	none

Spore chains: Sp

Spore surface: smooth

Sporangia:

Fragmentation:

**Melanoid pigment:** - - - -

**NaCl resistance:** 5 %

**Lysozyme resistance:** -

**pH:** Value- Optimum-

**Temperature :** Value- Optimum- 28 °C

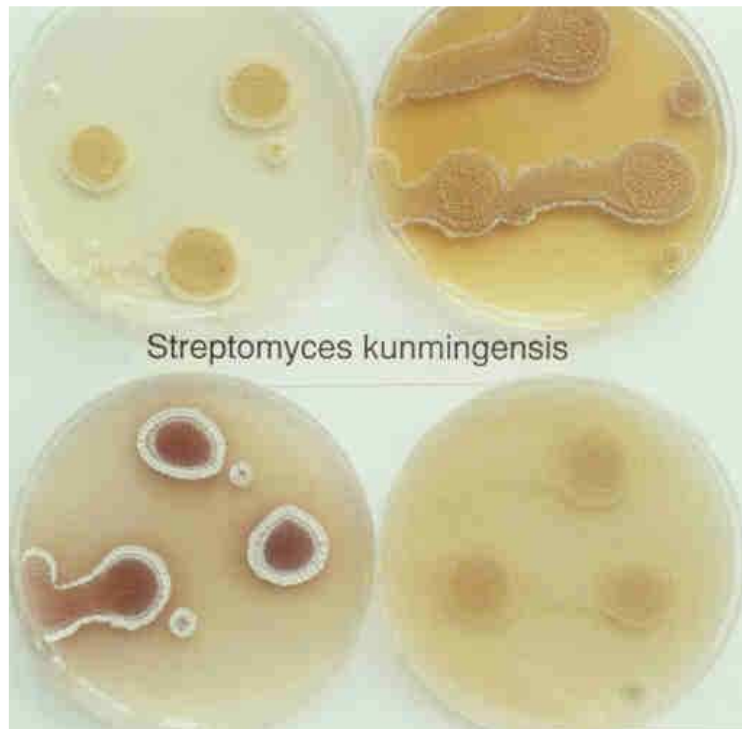
**Carbon utilization:**

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

**Enzymes:**

Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
+	+	+	+	+	-	+	+	+	-	-

**Comments**



***Streptomyces kunmingensis***

B and C – Agar plates medium 5323, 5265, 5317 and 5315