

Class

Actinobacteria

Subclass

Actinobacteridae

Order

Actinomycetales

Suborder

Streptosporangineae

Family

Nocardiopsaceae

Genus

Streptomonospora

Genus Identity Card

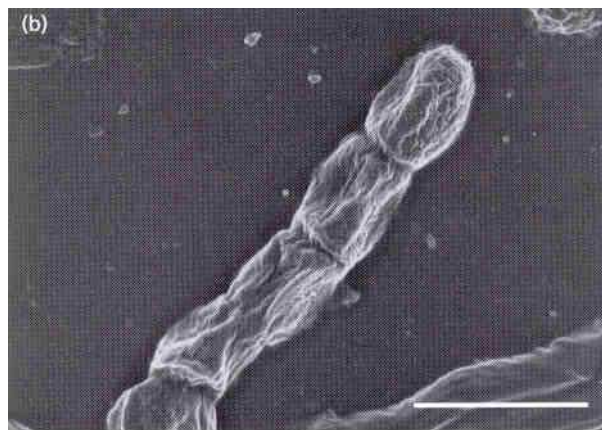
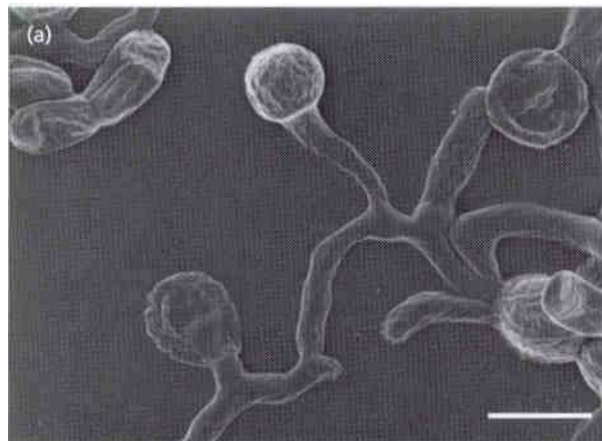
Genus	<i>Streptomonospora</i>
Wall chemotype glycine,	meso-DAP, DD-DAP, aspartic acid
Whole cell sugar pattern	no diagnostic sugars
Fatty acid pattern	
Major menaquinone (MK)	-9(H ₆), -10(H ₂) -10(H ₄)
Phospholipidtype	phosphatidylglycerol, phosphatidylinositol, phosphatidylethanolamine
Mol% G+C of DNA	
Morphology	branching hyphae, non- fragmenting substrate mycelium, aerial mycelium forms short chains of spores, spores are oval to rod-shaped with wrinkled surfaces; single spores which are oval to round are borne on sporophores or dichotomously branched sporophores of substrate hyphae, surface of the spores is wrinkled, both types of spores are non- motile
Type strain	<i>Streptomonospora salina</i>

Lit.:

Cui, X-L., P-H. Mao, M. Zeng, W-J. Li,
L-P. Zhang, L-H. Xu and C-L. Jiang.
2001

Streptimonospora salina gen. nov., sp.
nov., a new member of the family
Nocardiopsaceae

Int. J. Syst. a. Evolut. Microbio. 51:
357-363



Scanning electron micrographs of *Streptimonospora salina* grown on ISP medium 5 for 28 d at 28°C, showing single spores (a) and a short chain of spores (b).

Name: STREPTOMONOSPORA
Authors: Cui et al. 2001 emend. Li et al. 2003
Status: New Genus, Corrected Name
Type species: *S. salina*
Literature: Int. J. Syst. Bacteriol. 51:362
Comment: nom. corrig.: *Streptimonospora* (sic);
emended description: IJSEM 53:1424*

Name: *Streptomonospora alba*
Authors: Li et al. 2003
Status: New Species
Literature: Int. J. Syst. Bacteriol. 53:1424
Risk group: 1 (German classification)
Type strain: CCTCC AA001013, DSM 44588, YIM 90003

Name: *Streptomonospora salina* (**Type species**)
Authors: Cui et al. 2001
Status: New Species, Corrected Name
Literature: Int. J. Syst. Bacteriol. 51:362
Risk group: 1 (German classification)
Comment: nom. corrig.: *Streptimonospora salina* (sic)
Type strain: CCRC 16284, CCTCC 99003, DSM 44593,
YIM 90002

Genus: *Streptomonospora* **FH 6410**

Species: *salina*

Numbers in other collections: DSM 44593

Morphology:

	G	R
<u>ISP 2</u>	none	
	with 10% NaCl	brown beige
	A	SP
	cream	none
	G	R
<u>ISP 3</u>	none	
	A	SP
	G	R
<u>ISP 4</u>	none	
	A	SP
	G	R
<u>ISP 5</u>	none	
	A	SP
	G	R
<u>ISP 6</u>	none	
	A	SP
	G	R
<u>ISP 7</u>	none	
	A	SP

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
			no growth						

Enzymes:

2+	3-	4-	5-	6+	7-	8-	9-	10-	11-
12-	13-	14-	15-	16+	17-	18+	19-	20-	

Comments: good growth and formation of cream aerial mycelium on medium 5429 with

10% NaCl



Streptomonospora salina

A and B – Growth on the media 5265 and 5429 with 10 % NaCl each