

Name: ***Planomonospora alba***

Authors: Mertz 1994

Status: New Species

Literature: Int. J. Syst. Bacteriol. 44:280

Risk group: 1 (German classification)

Type strain: A82600, DSM 44227, NRRL 18924

Author(s) Mertz, F. P.  
Title *Planomonospora alba* sp. nov. and *Planomonospora sphaerica* sp. nov., two new species isolated from soil by baiting techniques.  
Journal Int. J. Syst. Bacteriol.  
Volume 44  
Page(s) 274-281  
Year 1994

Fatty acid pattern:

13 : 0	1,0		
14 : 0	4,0	17 : 0	11,0
15 : 0	6,0	17 : 0 10methyl	9,0
16 : 0 Iso	5,0	18 : 1 cis 9	13,0
16 : 1 cis 9	6,0	18 : 0	6,0
16 : 0	16,0		
16 : 0 10methyl	2,0		
17 : 1 cis 9	11,0		



***Planomonospora alba***

A – Agar plates medium 5006, 5265, 5315, 5317 and 5323

**Genus:** *Planomonospora*

**FH 2705**

**Species:** *alba*

**Numbers in other collections:** ATCC 51588

Morphology:

	G	R
<u>ISP 2</u>	good	sand yellow
	A	SP
	white	none
	G	R
<u>ISP 3</u>	good	beige
	A	SP
	white	none
	G	R
<u>ISP 4</u>	good	colorless
	A	SP
	white	none
	G	R
<u>ISP 5</u>	good	colorless
	A	SP
	white	none
	G	R
<u>ISP 6</u>	good	colorless
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	colorless
	A	SP
	none	none

Spore chains:

Spore surface: smooth

Sporangia: +

Fragmentation: -

Melanoid pigment: - - - -

NaCl resistance: 0 %

Lysozyme resistance: -

pH: Value- Optimum-

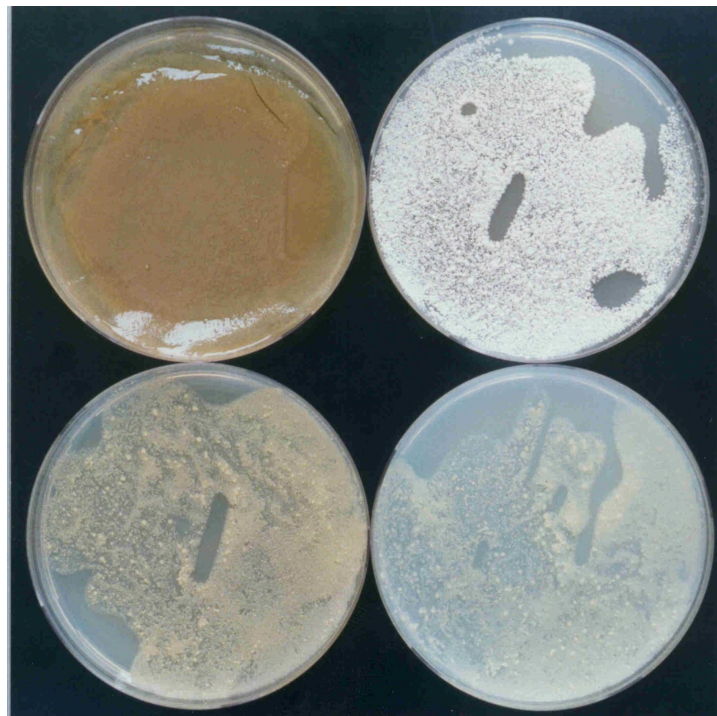
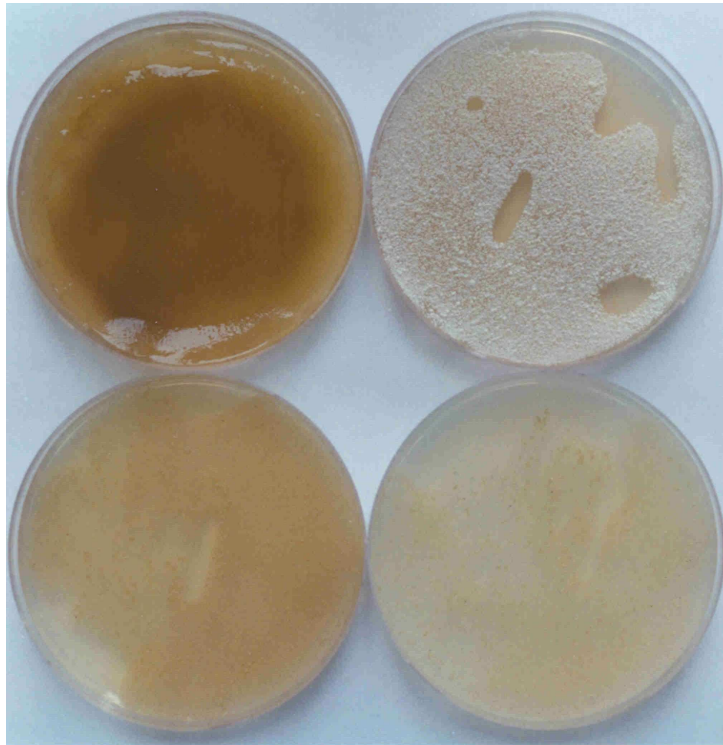
Temperature : Value- Optimum- 28 °C

Carbon utilization:

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

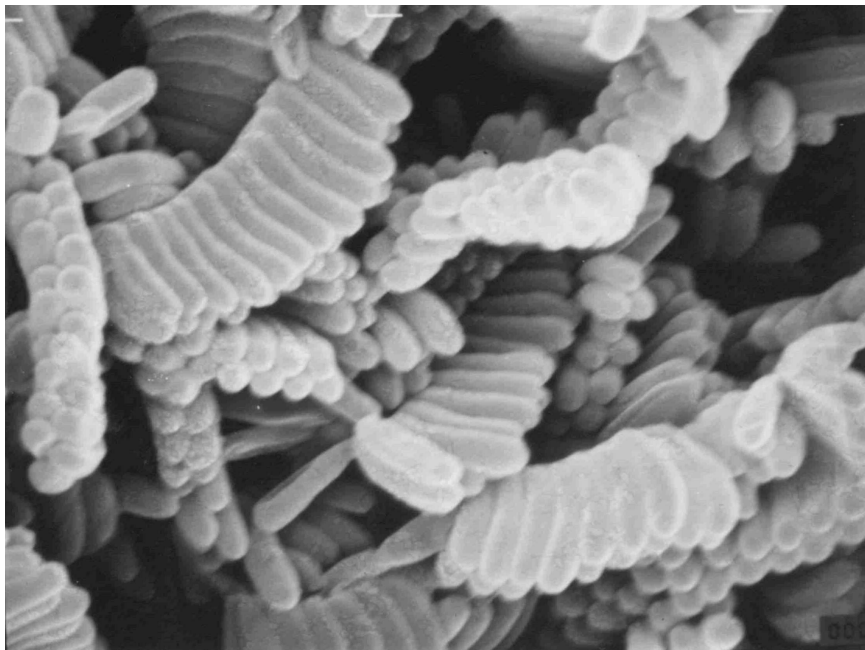
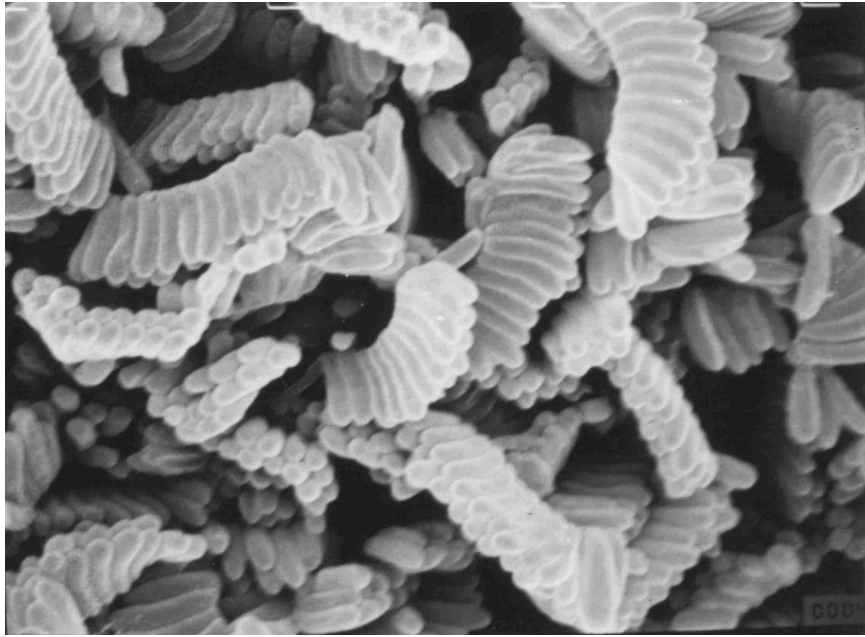
Enzymes:

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-			



***Planomonospora alba***

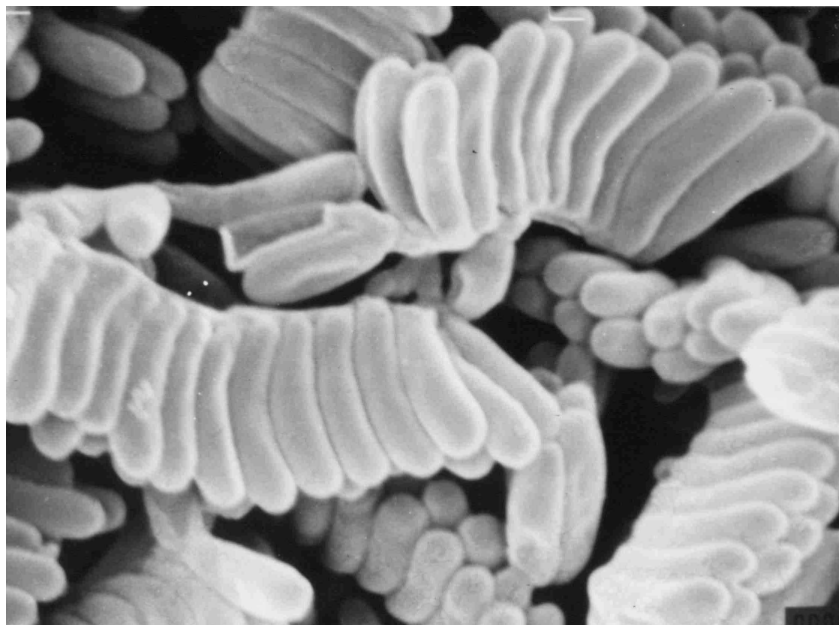
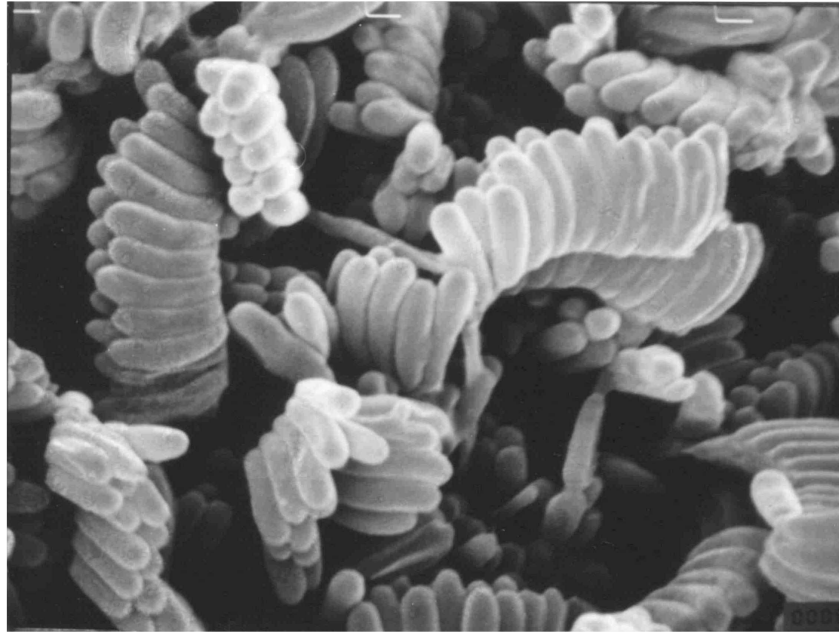
B and C – Agar plates medium 5318, 5322, 5337 with and without tyrosine



***Planomonospora alba***

Sporangia in SEM

D x 3.500 E x 5.000



***Planomonospora alba***

Sporangia in SEM

F x 5.000 G x 7.500