Name: ***Planobispora rosea***

Authors: Thiemann 1970

Status: Approved Lists

Literature: Int. J. Syst. Bacteriol. 30:345 (AL)

Risk group: 1 (German classification)

Type strain: ATCC 23866, DSM 43051

Fatty acid pattern:

13 : 0		2,0			
14 : 0		4,0	17 : 0		9,0
15 : 0		4,0	17 : 0	10methyl	2,0
16 : 0	Iso	2,0	18 : 1	cis 9	23,0
16 : 1	cis 9	9,0	18 : 0		4,0
16 : 0		21,0			
17 : 1	cis 9	19,0			

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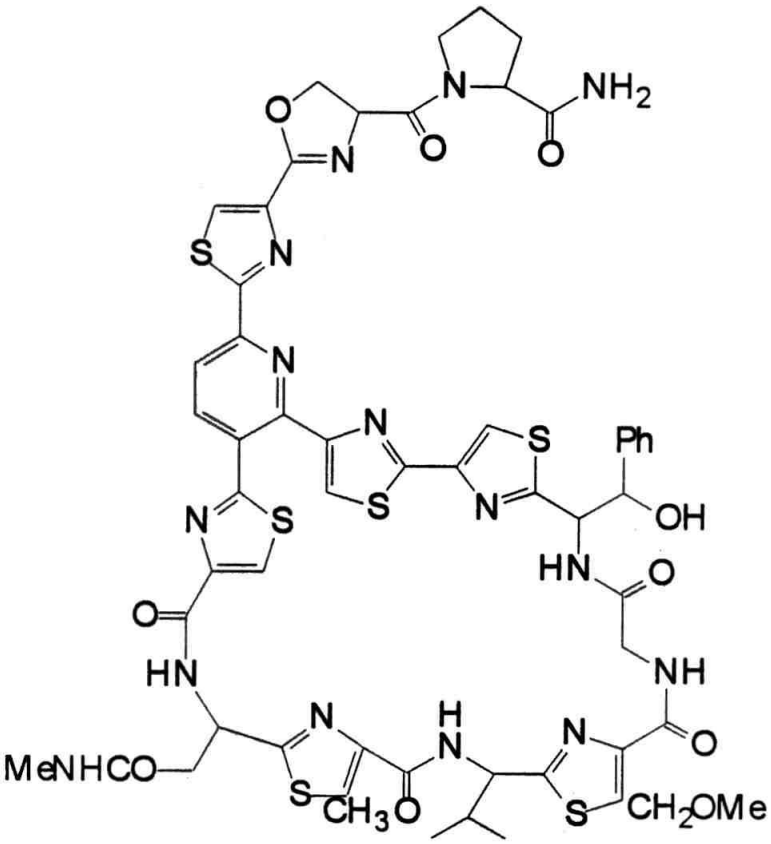
Secondary metabolites from *Planobispora rosea*

GE 2270A, peptide antibiotic, active against gram-positive bacteria



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Genus: ***Planobispora*** **FH 2460**
Species: ***rosea***
Numbers in other collections: ATCC 23866

Morphology:

	G	R
ISP 2	good	red orange
	A	SP
	sparse/white	none
	G	R
ISP 3	good	red orange
	A	SP
	white	none
	G	R
ISP 4	good	red orange
	A	SP
	white	none
	G	R
ISP 5	good	red orange
	A	SP
	white	none
	G	R
ISP 6	sparse	yellow orange
	A	SP
	none	none
	G	R
ISP 7	good	red orange
	A	SP
	sparse/white	yellow

Spore chains: only spore pairs Spore surface: smooth
Sporangia: Fragmentation:

Melanoid pigment: **- - - -**
NaCl resistance: 2,5 %
Lysozyme resistance: -
pH: Value- Optimum-
Temperature : Value- Optimum- 30 ℃

Carbon utilization:

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

Enzymes:

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

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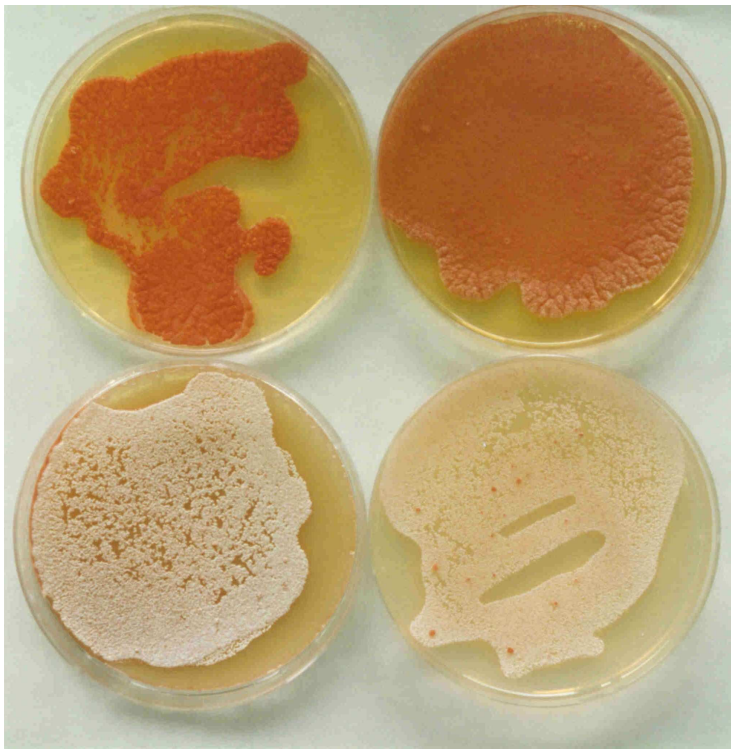
2+ 3+ 4+ 5- 6+ 7+ 8+ 9+ 10+ 11+ 12+ 13- 14- 15- 16+ 17+ 18+ 19- 20-



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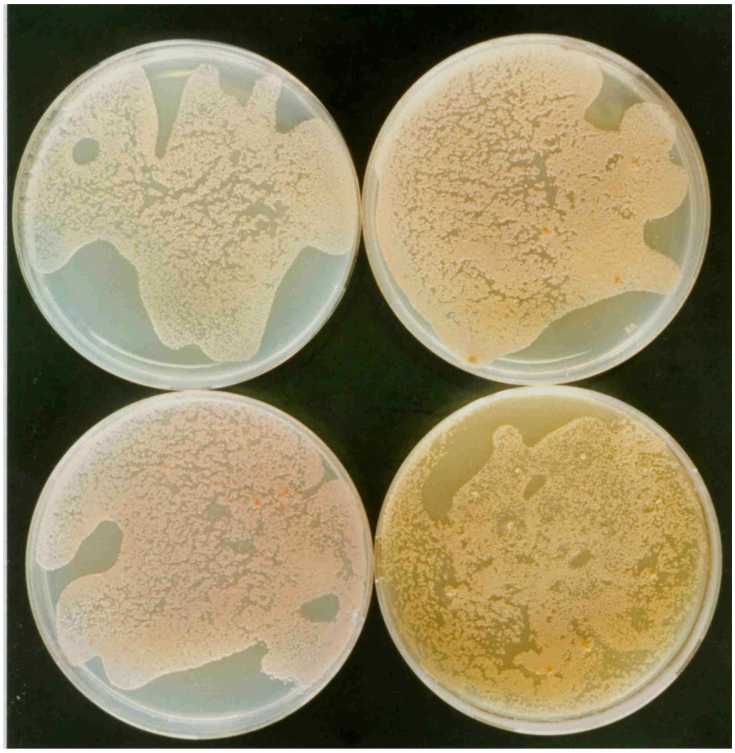
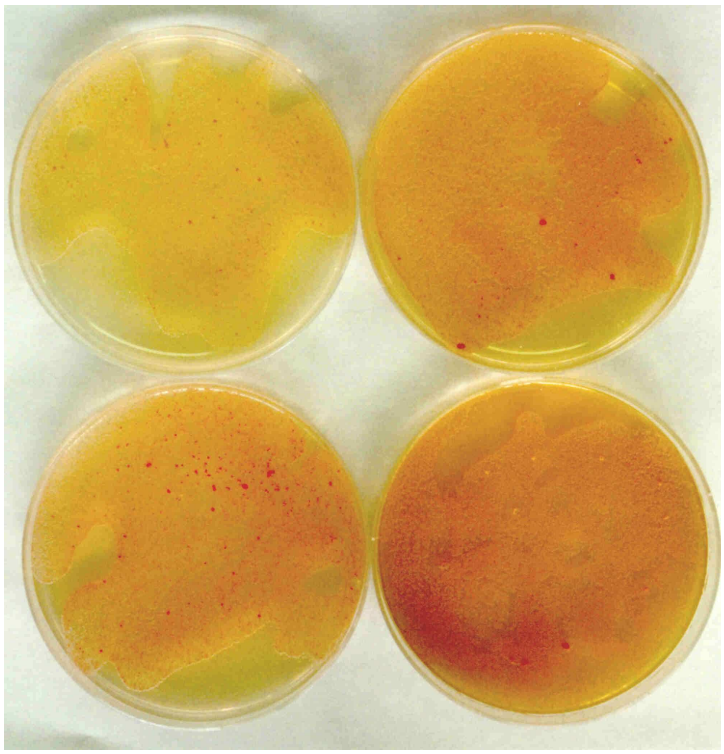
Planobispora rosea

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





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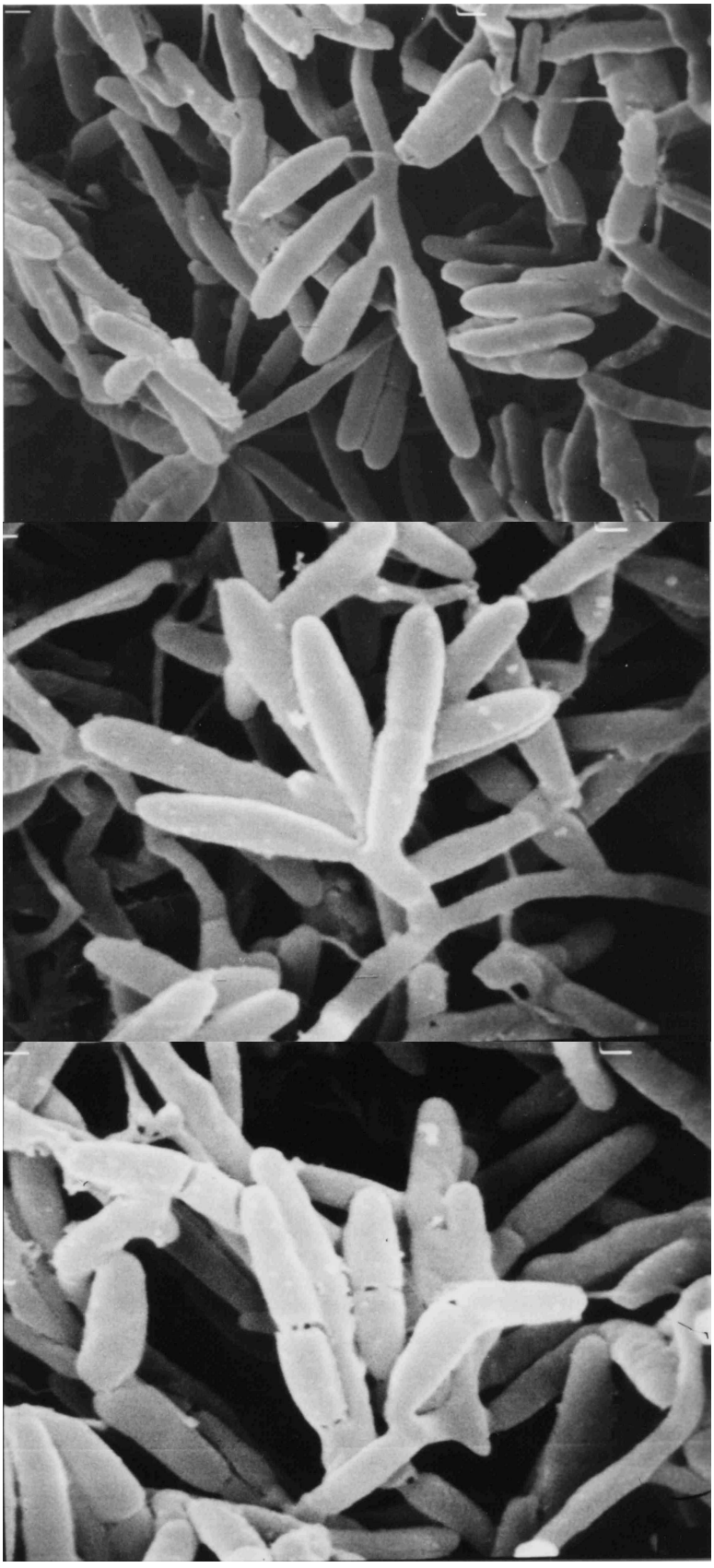
Planobispora rosea

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



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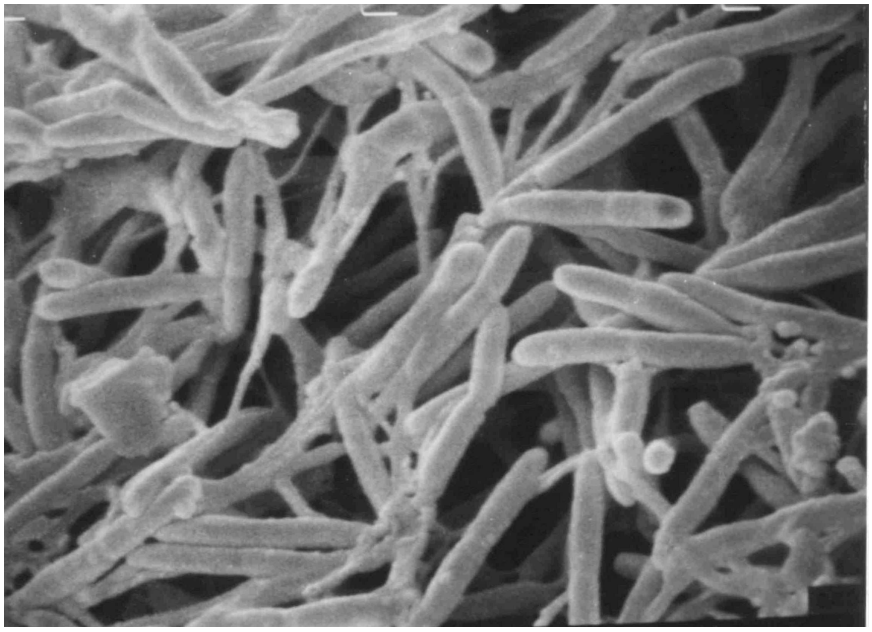
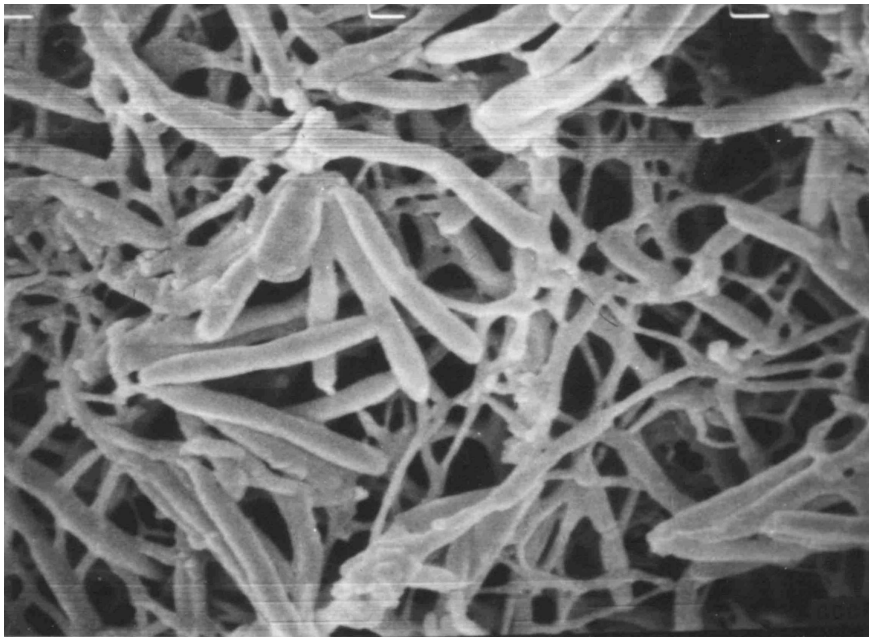
Planobispora rosea
Sporangia in SEM (strain HAG 010420)
E x 7.500 F and G x 10.000





Planobispora rosea
Sporangia in SEM (strain FH 2460)
H and I x 5.000

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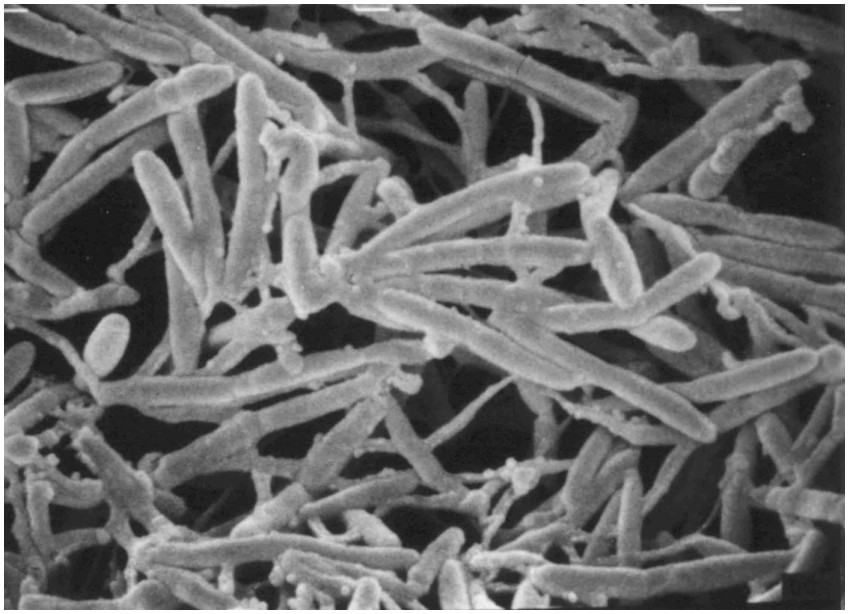

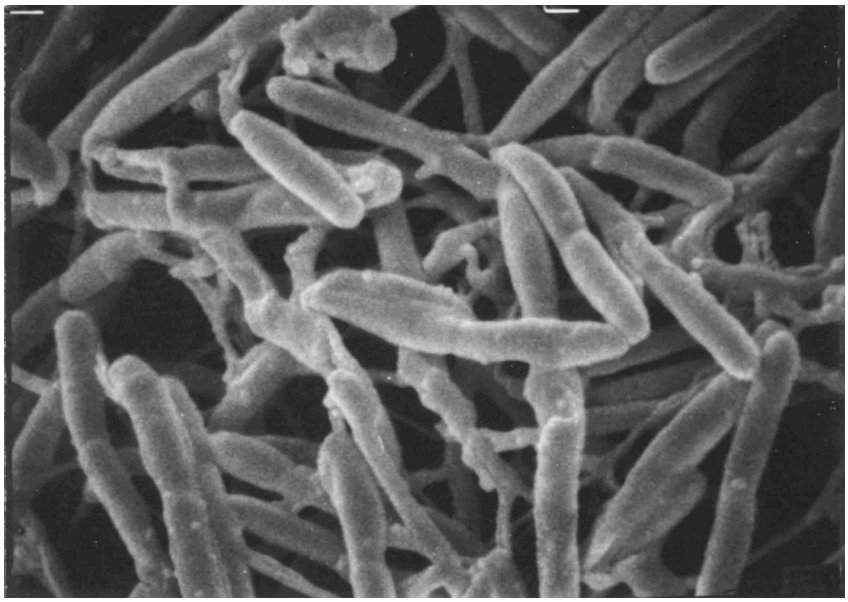

Planobispora rosea
Sporangia in SEM (strain FH 2460)
J x 5.000 K x 7.500

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