Name:	***Micromonospora sagamiensis***
Authors:	Kroppenstedt et al. 2005
Status:	New species
Literature:	Int. J. Syst. Evol. Microbiol. 55:1743
Risk group:	1 (German classification)
Type strain:	ATCC 21826, CIP 108950, DSM 43912, KCC A-0310,NRRL 11334

Author(s)	Kroppenstedt, R. M., Mayilraj, S., Wink, J. M., Kallow, W., Schumann, P., Secondini, C., Stackebrandt, E.
Title	Eight new species of the genus *Micromonospora*, *Micromonospora citrea* sp. nov., *Micromonospora echinaurantiaca* sp. nov., *Micromonospora echinofusca* sp. nov., *Micromonospora fulviviridis* sp. nov., *Micromonospora inyonensis* sp. nov., *Micromonospora peucetia* sp. nov., *Micromonospora sagamiensis* sp. nov., and *Micromonospora viridifaciens* sp. nov.
Journal	Syst. Appl. Microbiol.
Volume	28
Page(s)	328-339
Year	2005

Genus: ***Micromonospora*** **FH 6401**
Species: ***sagamiensis***
Numbers in other collections: DSM 43912

Morphology:

	G	R
ISP 2	good	coral red
	A	SP
	none	none
	G	R
ISP 3	good	salmon pink
	A	SP
	none	none
	G	R
ISP 4	good	antique pink
	A	SP
	none	none
	G	R
ISP 5	sparse	tomato red
	A	SP
	none	none
	G	R
ISP 6	none	none
	A	SP
	none	none
ISP 7	G	R
	sparse	antique pink
	A	SP
	none	none

Melanoid pigment: **- - - -**
NaCl resistance: %
Lysozyme resistance:
pH: Value- Optimum-
Temperature : Value- Optimum- ℃
Carbon utilization:

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

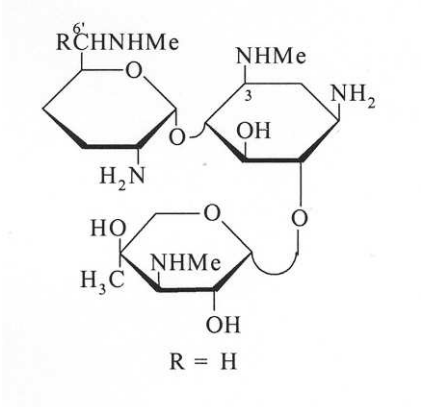
Enzymes:

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

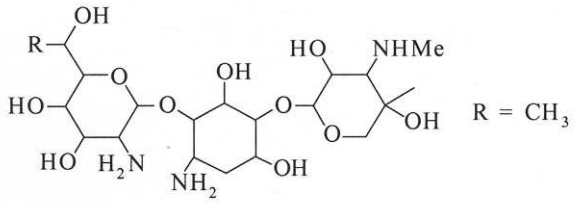
Comments:

Secondary metabolites from *Micromonospora sagamiensis*

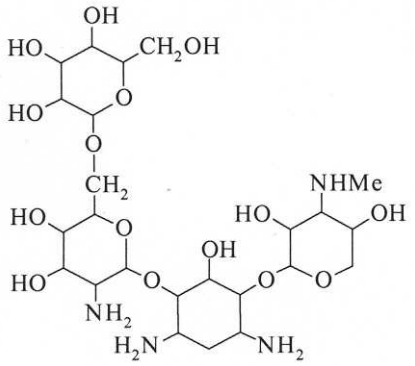
Antibiotic XK 62-6, a aminocyclitol antibiotic, active against gram-positive and –negative bacteria

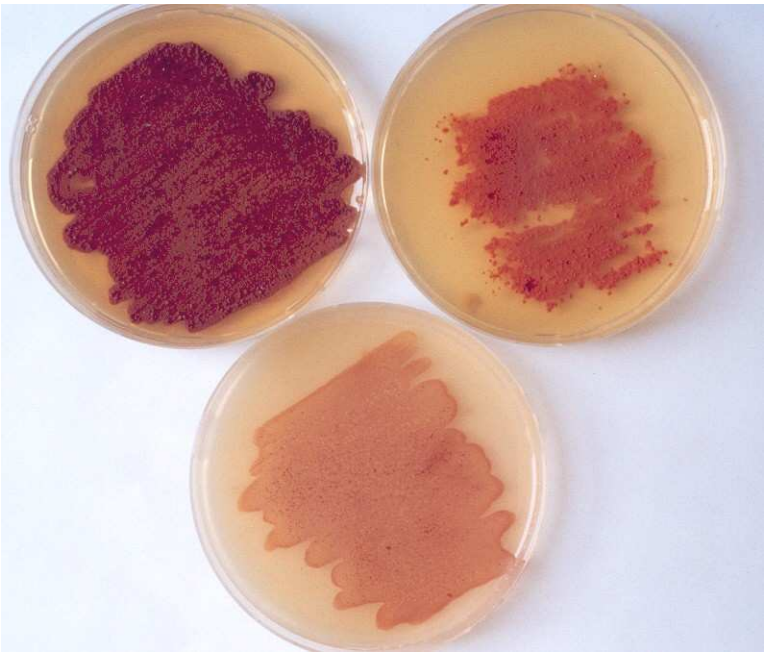


Antibiotic K 144g (see antibiotic above)



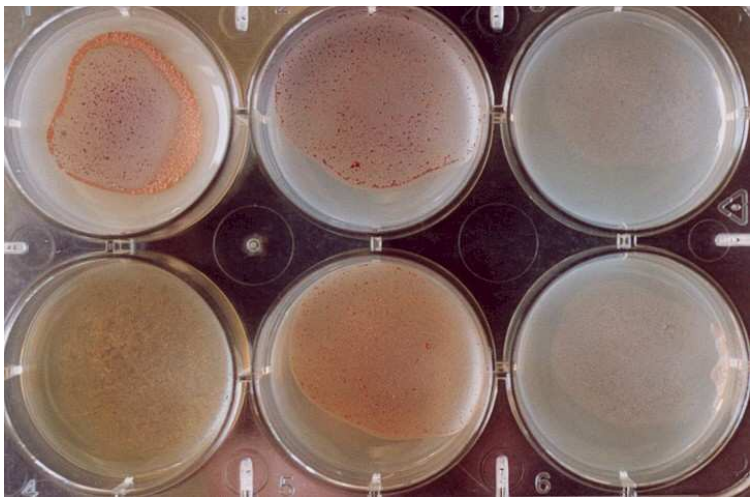
Antibiotic 477-2h, a aminoglycoside antibiotic, weakly active against gram-positive and –negative bacteria, precursor of Sagamicin

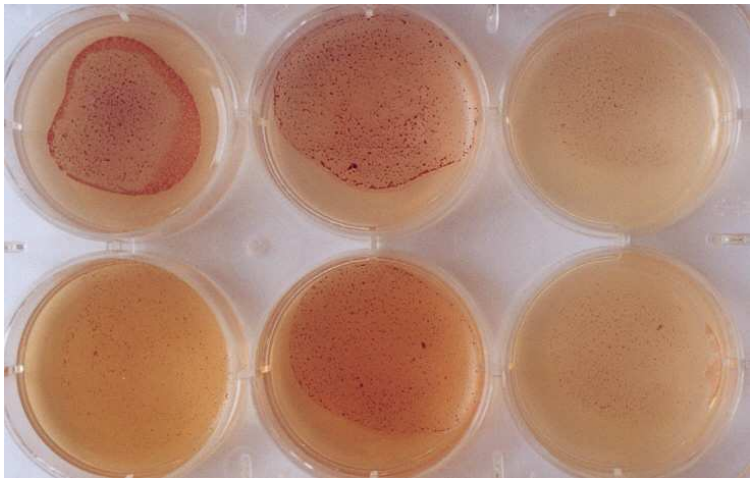




Micromonospora sagamiensis

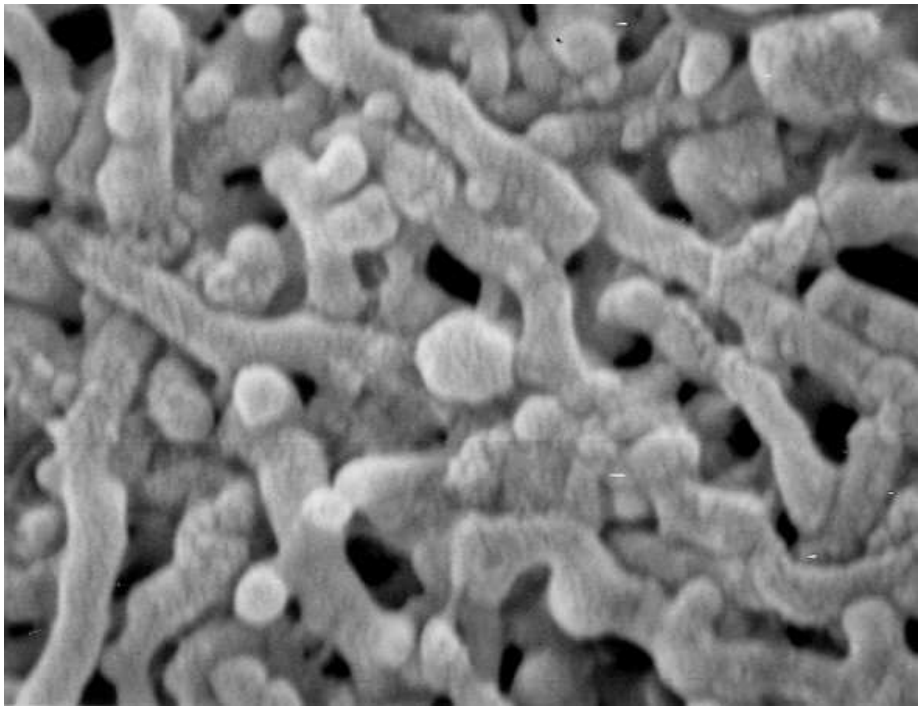
A and B - Agar plates media 5006, 5265 and 5315





Micromonospora sagamiensis

C and D – Microplate with ISP and melanin media



Micromonospora sagamiensis

E – Single spores in SEM (x 10.000)