Name: ***Kitasatospora phosalacinea***

Authors: Takahashi et al. 1985

Status: New Species, Corrected Name

Literature: Int. J. Syst. Bacteriol. 35:535 (validation list)

Comment: correct status not yet defined; after the revival of genus Kitasatospora may be regarded as an objective synonym of Streptomyces phosalacineus

Type strain: DSM 43860

Synonym: *Streptomyces phosalacineus*

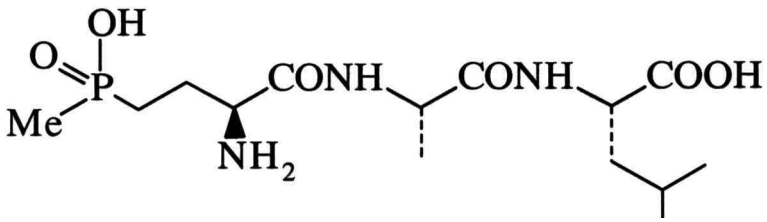
Author(s)	Takahashi, Y., Iwai, Y., Omura, S.
Title	Two new species of the genus *Kitasatosporia*, *Kitasatosporia phosalacinea* sp. nov. and *Kitasatosporia griseola* sp. nov.
Journal	J. Gen. Appl. Microbiol.
Volume	30
Page(s)	377-387
Year	1984

Author(s)	Wellington, E. M. H., Stackebrandt, E., Sanders, D., Wolstrup, J., Jorgensen, N. O.
Title	Taxonomic status of *Kitasatosporia*, and proposed unification with *Streptomyces* on the basis of phenotypic and 16S rRNA analysis and emendation of *Streptomyces* Waksman and Henrici 1943, 339[AL].
Journal	Int. J. Syst. Bacteriol.
Volume	42
Page(s)	156-160
Year	1992

Author:	Zhang, Z., Wang, Y., Ruan, J.
	Title: A proposal to revive the genus *Kitasatospora* (Omura, Takahashi, Iwai, and Tanaka 1982).
Journal:	Int. J. Syst. Bacteriol.
Volume:	47
Page:	1048-1054
Year:	1997

Secondary metabolites from *Kitasatospora phosalacinea*

Phosalacine, oligopeptide antibiotic, active against gram-positive and –negative bacteria and fungi, herbicide, inhibits glutamine synthetase



Genus: ***Kitasatospora*** **FH 2427**
Species: ***phosalacinea***
Numbers in other collections: IFO 14372

Morphology:

	G	R
ISP 2	good	colourless
	A	SP
	silver gray	none
	G	R
ISP 3	good	beige
	A	SP
	silver gray	none
	G	R
ISP 4	good	beige
	A	SP
	white	none
	G	R
ISP 5	good	beige
	A	SP
	white	none
	G	R
ISP 6	good	beige
	A	SP
	white	none
	G	R
ISP 7	good	colourless
	A	SP
	none	none

Spore chains: RF Spore surface: smooth
Sporangia: Fragmentation:

Melanoid pigment: - - - -
NaCl resistance:
Lysozyme resistance:
pH: Value- Optimum-
Temperature : Value- Optimum- 28 ℃

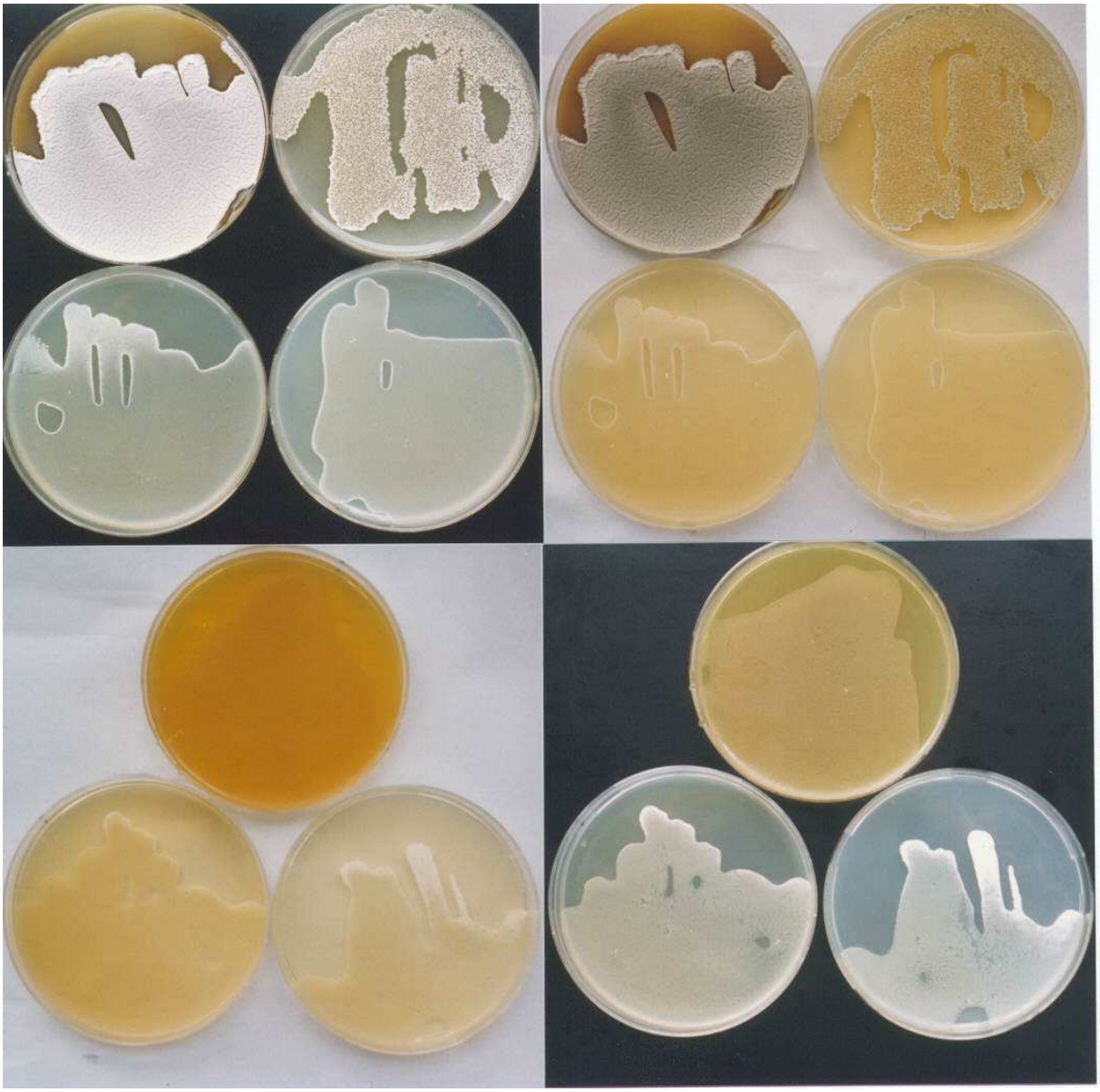
Carbon utilization:

Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel

Enzymes:

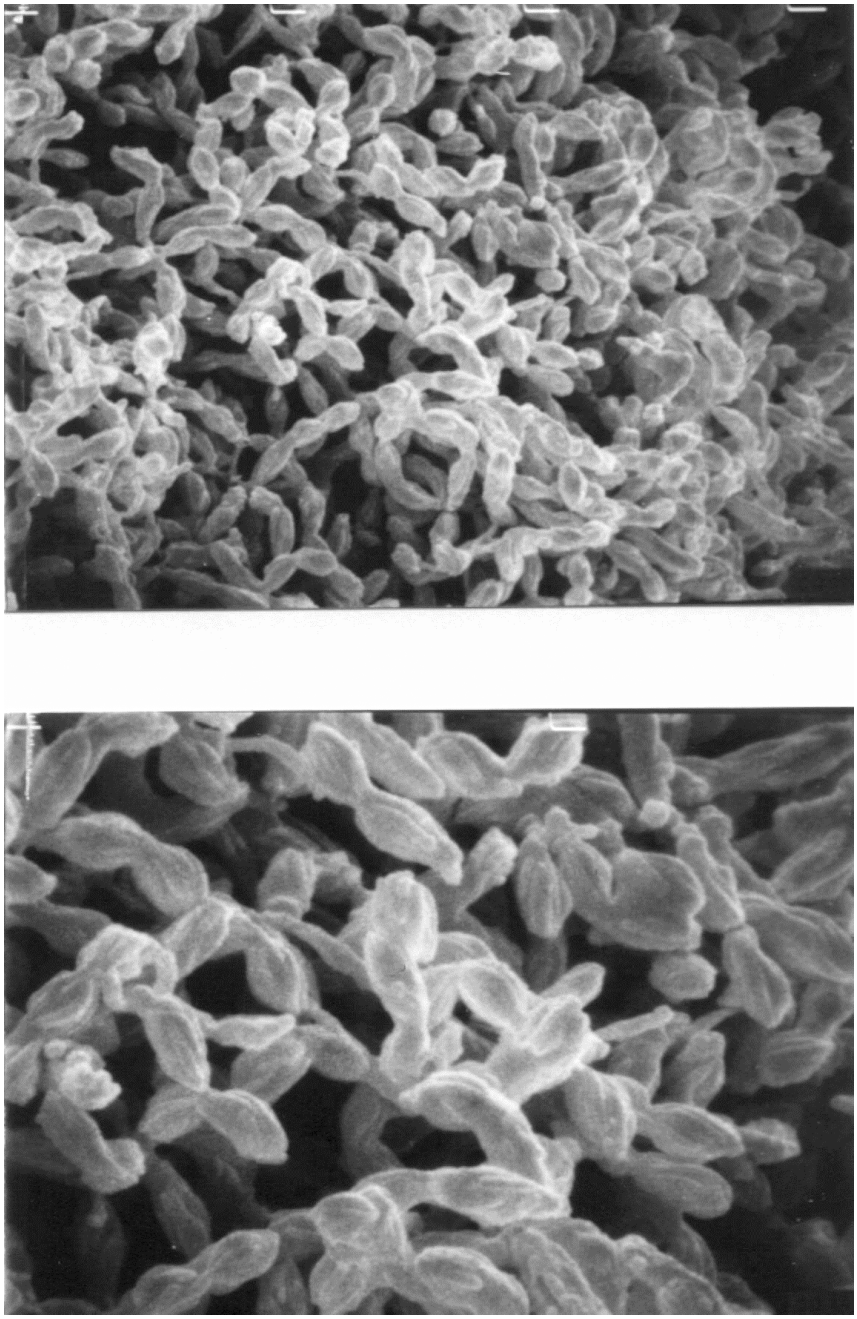
Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
+	+	+	+	+	-	+	+	(+)	-	-

Comments:



Kitasatospora phoslacinea

A and B – Agar plates medium 5265, 5315, 5317 and 5323
C and D – Agar plates medium 5318, 5337 with and without tyrosine



Kitasatospora phosalacinea

Spore chain morphology and spore surface in SEM
E x 3500 F x 7500