

Name: ***Streptomyces macrosporus***

Authors: Goodfellow et al. 1988

Status: New Species

Reference(s): Int. J. Syst. Bacteriol. 38:329 (validation list)

Risk group: 1 (German classification)

Type strain: A 1201, DSM 41449, INMI 2892, K44

Author(s) Goodfellow, M., Lacey, J., Todd, C.
Title Numerical classification of thermophilic *Streptomyces*.
Journal J. Gen. Microbiol.
Volume 133
Page(s) 3135-3149
Year 1987

Genus: *Streptomyces*

FH 2510

Species: *macrosporus*

Numbers in other collections: ATCC 25181

Morphology:

<u>ISP 2</u>	G	R
	good	yellow brown
	A	SP
<u>ISP 3</u>	none	none
	G	R
	good	yellow brown
<u>ISP 4</u>	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	yellow brown
	A	SP
	white	none
<u>ISP 6</u>	G	R
	good	yellow brown
	A	SP
<u>ISP 7</u>	none	none
	G	R
	good	red brown
	A	SP
	white	none

Spore chains: RF

Spore surface: smooth

Sporangia:

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance: 0 %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 45 °C

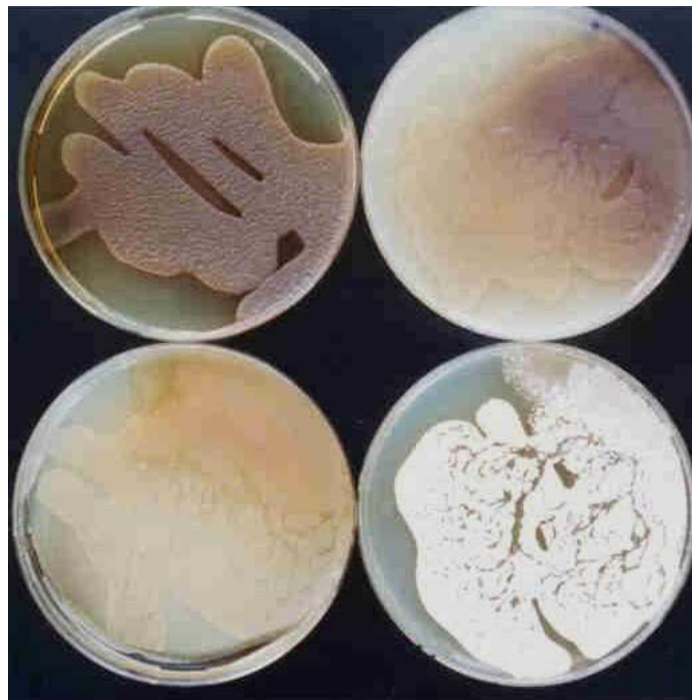
Carbon utilization:

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

Enzymes:

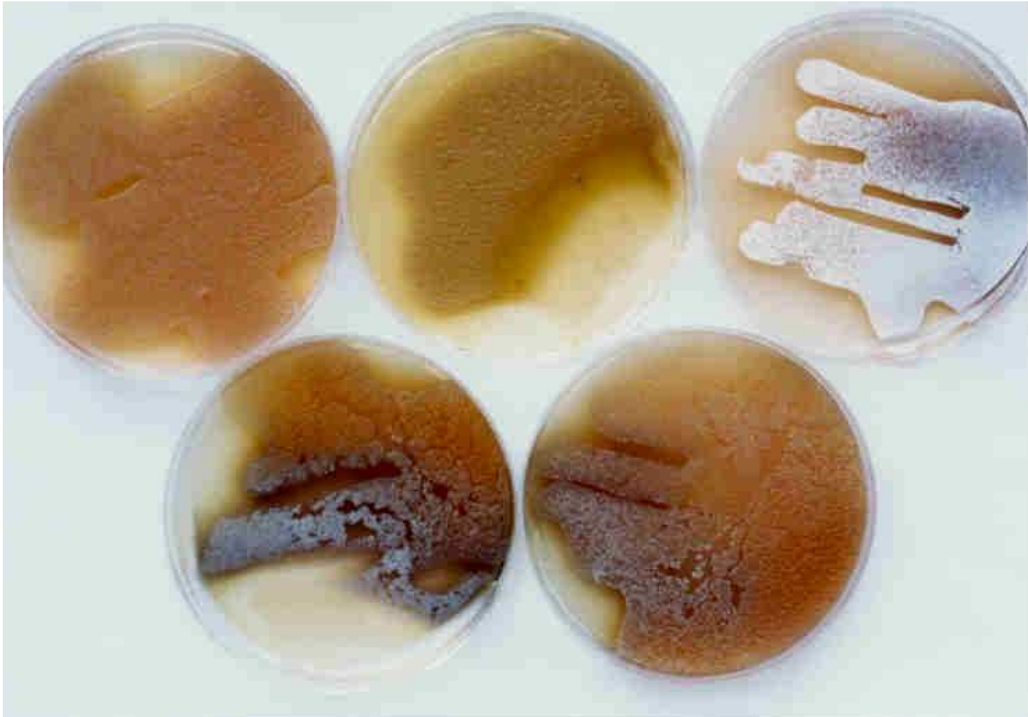
Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
+	+	+	+	+	-	+	+	-	-	-

Comments:



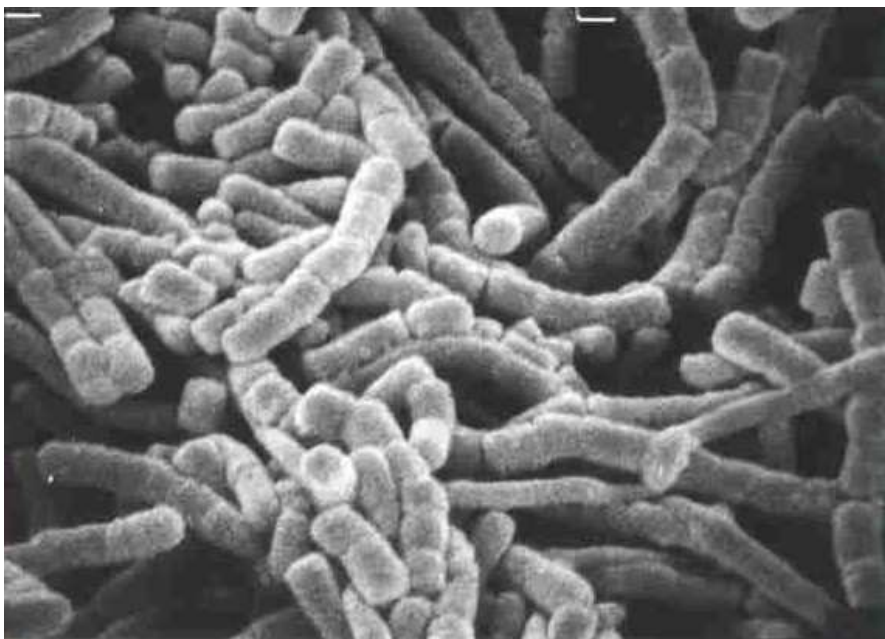
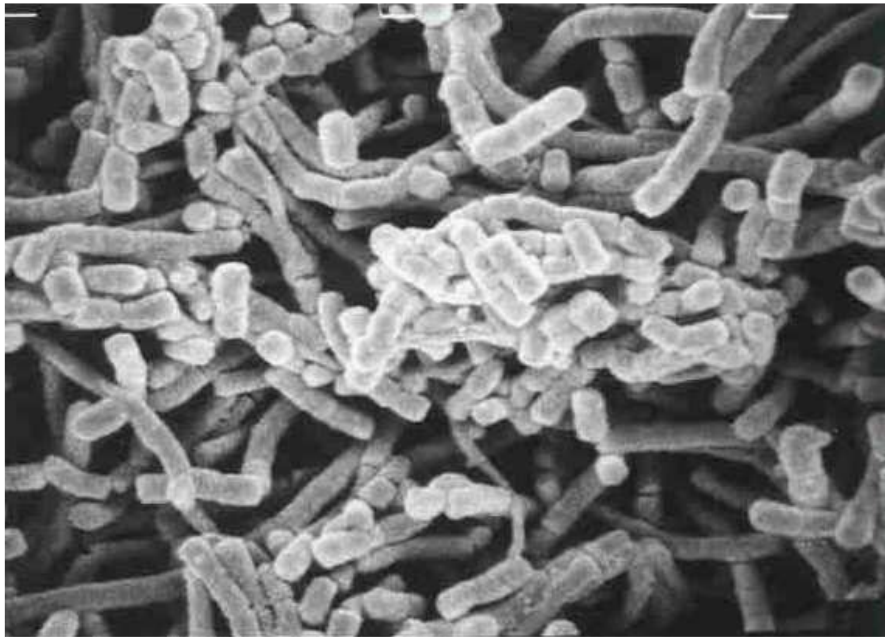
Streptomyces macrosporus

A and B Agar plates medium 5265, 5315, 5317 and 5323



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C and D – Agar plates medium 5006, 5318, 5322, 5337 with and without tyrosine



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Spore chain morphology and spore surface in SEM

G x 5.000 H x 7.500