

Name: ***Streptomyces luteosporus***

Authors: Witt and Stackebrandt 1991

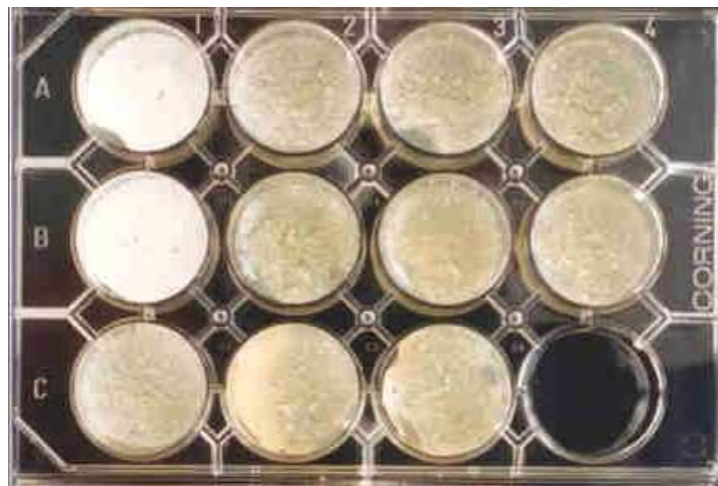
Status: New Combination

Reference(s): Int. J. Syst. Bacteriol. 41:456 (validation list)

Risk group: 1 (German classification)

Type strain: ATCC 33049, NRRL 2401, DSM 40833

Other names: *Streptoverticillium album* (basonym)



Streptomyces luteosporus

A – Microplate for carbon utilization

Genus: *Streptomyces*

FH 2509

Species: *luteosporeus*

Numbers in other collections: ATCC 33049

Morphology:

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

Spore chains: Ve

Spore surface: smooth

Sporangia:

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance: 5 %

Lysozyme resistance: 1 %

pH: Value-

Optimum-

Temperature : Value-

Optimum- 37 °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
+	+	+	+	-	-	+	+	+	-	-

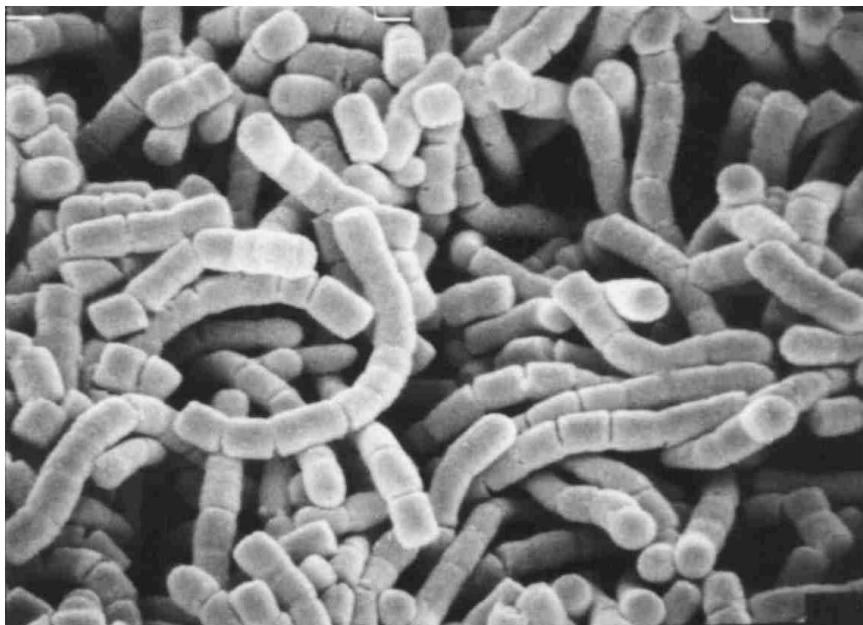
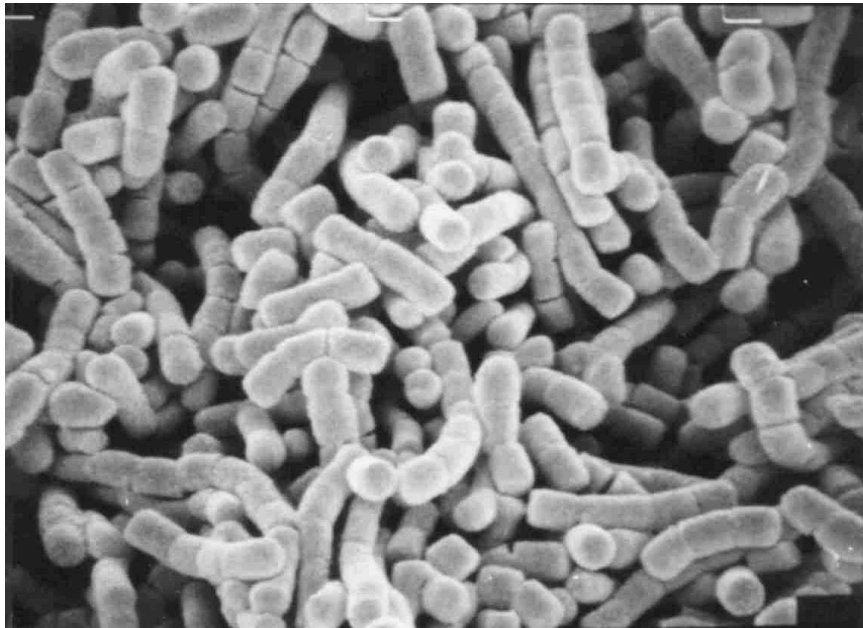
Comments:



Streptomyces luteosporeus

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

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



Streptomyces luteosporeus

Spore chains with smooth spores in SEM
D and E x 5.000