

Name: ***Streptomyces lucensis***

Authors: Arcamone et al. 1957

Status: Approved Lists

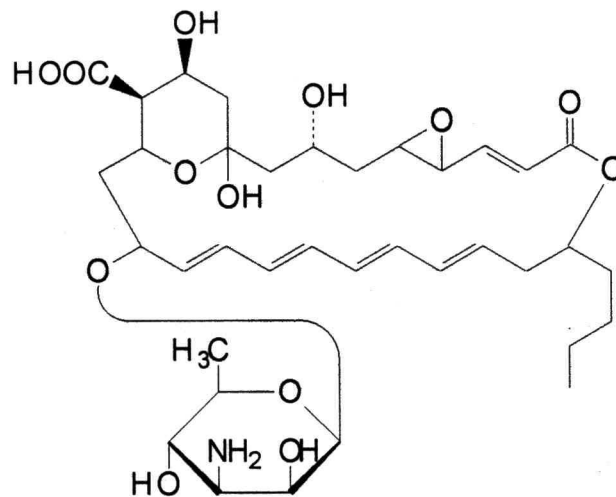
Reference(s): Int. J. Syst. Bacteriol. 30:391 (AL)

Risk group: 1 (German classification)

Type strain: ATCC 17804, DSM 40317

Secondary metabolites from *Streptomyces lucensis*

Lucensomycin, polyene antibiotic, shows antifungal activity, red-tide plancton controlling agent



Genus: *Streptomyces*

FH 2103

Species: *lucensis*

Numbers in other collections: **DSM 40317**

Morphology:

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

Spore chains: RF

Spore surface: spiny

Sporangia:

Fragmentation:

Melanoid pigment: +

NaCl resistance: 2,5 %

Lysozyme resistance: -

pH: Value-

Optimum-

Temperature : Value-

Optimum- 28°C

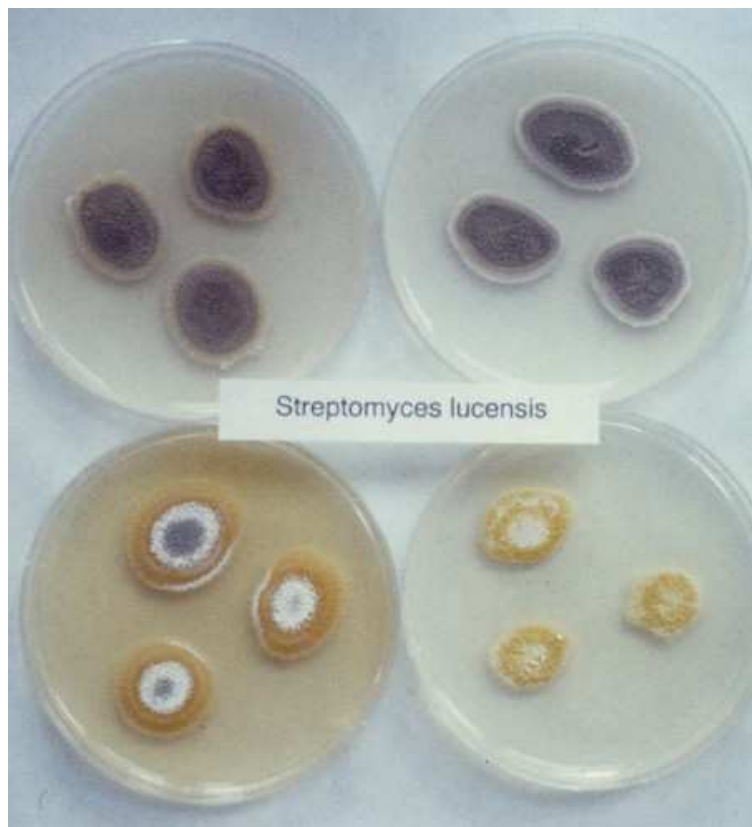
Carbon utilization:

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

Enzymes:

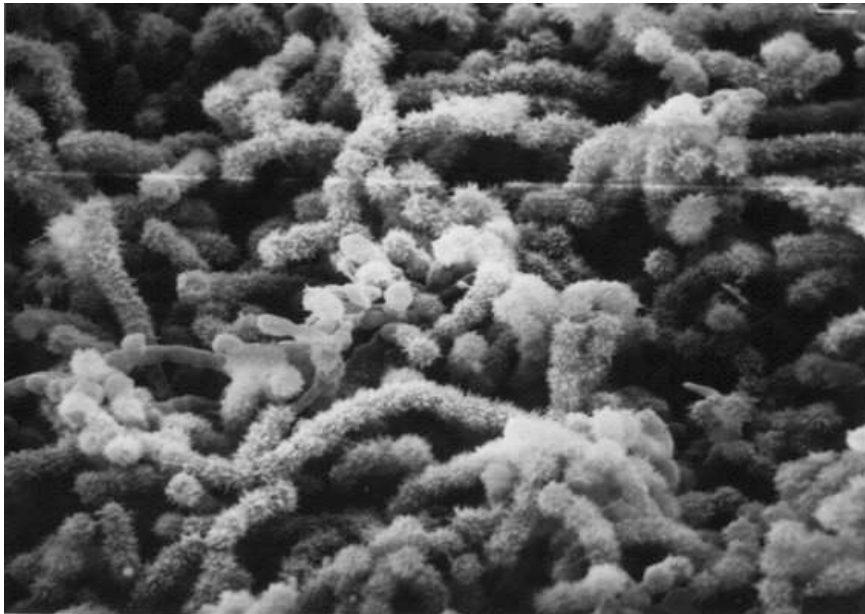
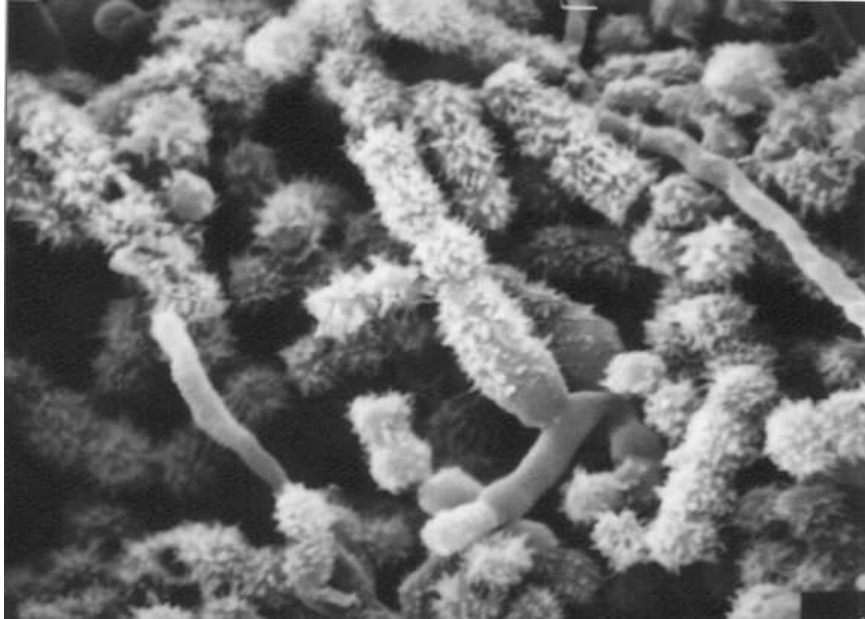
Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H ₂ S
+	+	+	-	+	-	-	-	+	-	+

Comments:



Streptomyces lucensis

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



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Spore chain morphology and spore surface in SEM
C x 7.500 D x 3.500