

Name: ***Actinomadura luteofluorescens***
Authors: (Shinobu 1962) Preobrazhenskaya et al. 1975
Status: Approved Lists
Literature: Int. J. Syst. Bacteriol. 30:242 (AL)
Risk group: 1 (German classification)
Type strain: ATCC 25469, CBS 702.69, DSM 40398,
IFO 13057, IMET 9672, ISP 5398, RIA 1249

Fatty acid pattern:

14 : 0	2,0
16 : 0 Iso	7,0
16 : 1 cis 9	10,0
16 : 0	28,0
17 : 1 cis 9	4,0
17 : 0	2,0
18 : 1 cis 9	13,0
18 : 0	9,0

Genus: *Actinomadura*

FH 2424

Species: *luteofluorescens*

Numbers in other collections: IFO 13057

Morphology:

	G	R
<u>ISP 2</u>	good	salmon orange
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	yellow
	A	SP
	white	sulfur yellow
	G	R
<u>ISP 4</u>	good	yellow
	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	beige
	A	SP
	white	none
	G	R
<u>ISP 6</u>	sparse	beige
	A	SP
	white	none
	G	R
<u>ISP 7</u>	good	beige
	A	SP
	none	none

Spore chains: hoocks

Spore surface: smooth

Sporangia:

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance: 5 %

Lysozyme resistance: -

pH: Value- Optimum-

Temperature : Value- Optimum- 28 °C

Carbon utilization:

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

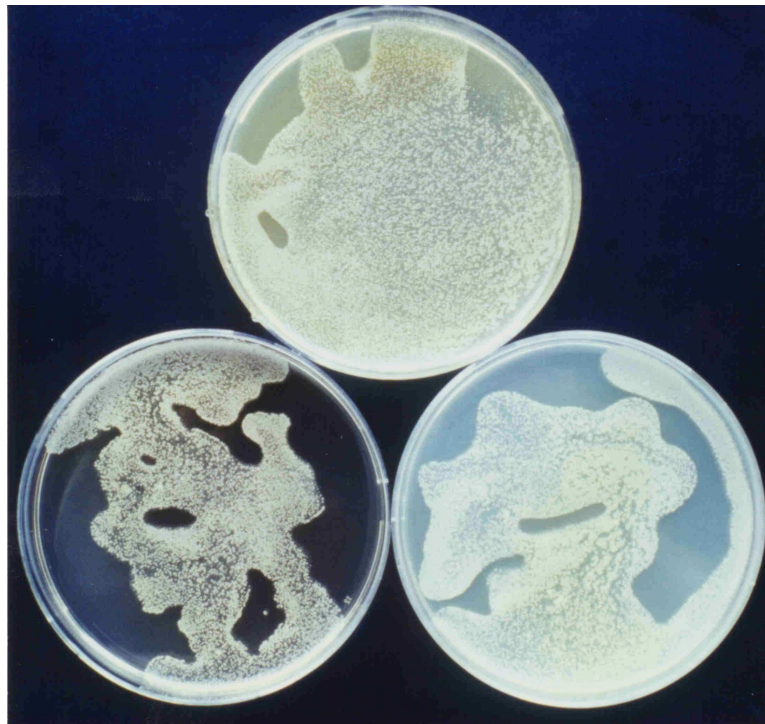
Enzymes:

Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
+	-	-	-	-	-	-	-	+	-	-
2+	3+	4+	5-	6+	7+	8+	9+	10+	11+	12+
13-	14-	15-	16+	17-	18+	19-	20-			



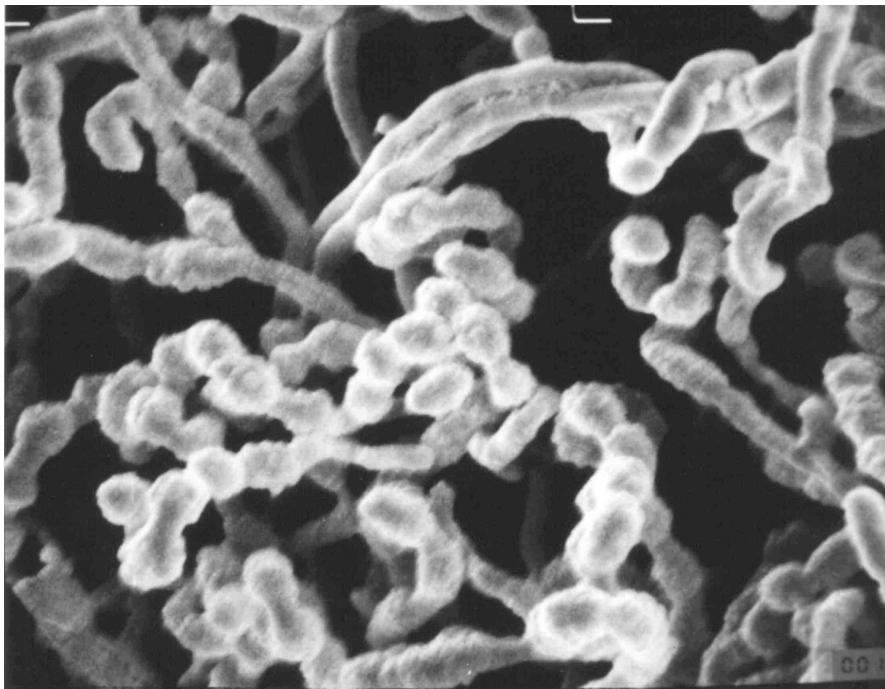
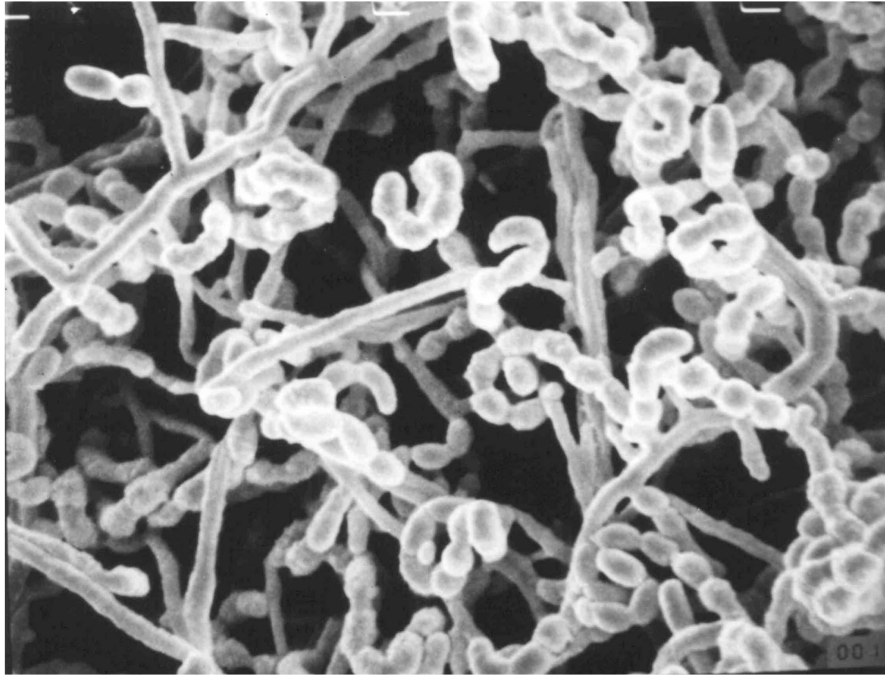
Actinomadura luteofluorescens

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



Actinomadura luteofluorescens

Agar plates medium 5318, 5322 and 5337 with tyrosine



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Spore chain morphology and spore surface in SEM

E x 5.000 F x 7.500