

Name: ***Actinomadura viridilutea***
Authors: (Agre and Guzeva 1975) Zhang et al. 2001
Status: New Combination
Literature: Int. J. Syst. Bacteriol. 51:381
Risk group: 1 (German classification)
Type strain: DSM 44433, IMET 9742, INMI 187, JCM 3398
Synonyms: *Excellospora viridilutea* (basonym)

Author(s) Agre, N. S., Guzeva, L. N.
Title New actinomycetes genus *Excellospora* gen. nov.
Journal Microbiology (Engl. Transl. of Mikrobiologija)
Volume 44
Page(s) 518-523
Year 1975

Author(s) Zhang, Z., Kudo, T., Nakajima, Y., Wang, Y.
Title Clarification of the relationship between the members of the family *Thermomonosporaceae* on the basis of 16S rDNA, 16S-23S rRNA internal transcribed spacer and 23S rDNA sequences and chemotaxonomic analyses.
Journal Int. J. Syst. Evol. Microbiol.
Volume 51
Page(s) 373-383
Year 2001

Genus: *Actinomadura* **FH 2677**
Species: *viridilutea*
Numbers in other collections: IFO 14480

Morphology:

	G	R
<u>ISP 2</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	beige
	A	SP
	turquoise blue	none
	G	R
<u>ISP 5</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 6</u>	none	
	A	SP
	G	R
<u>ISP 7</u>	sparse	beige
	A	SP
	none	none

Spore chains: + Spore surface: smooth
Sporangia: - Fragmentation:

Melanoid pigment: - - - -

NaCl resistance:

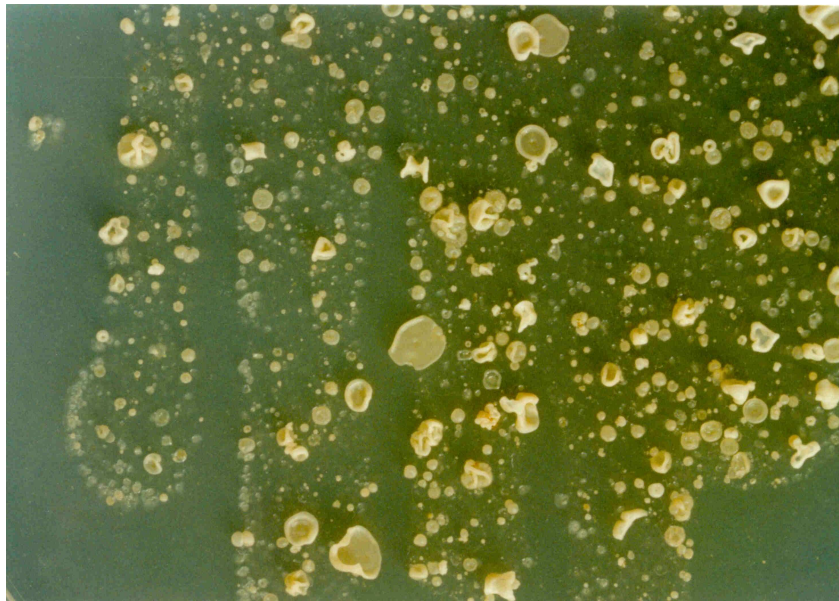
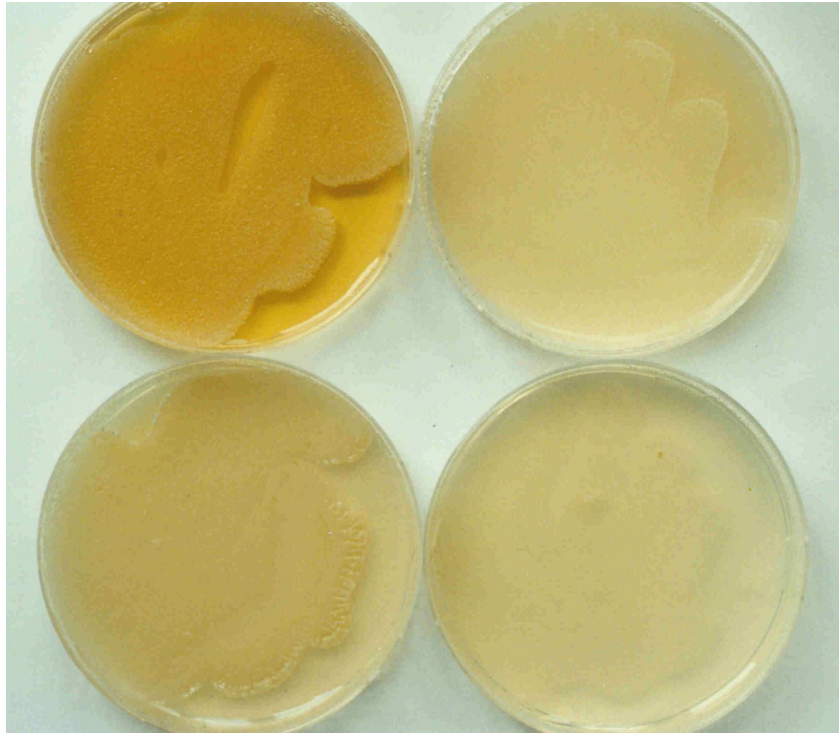
Lysozyme resistance:

pH: Value- Optimum-
Temperature : Value- Optimum- 45°C

Carbon utilization:

Glu Ara Suc Xyl Ino Man Fru Rha Raf Cel

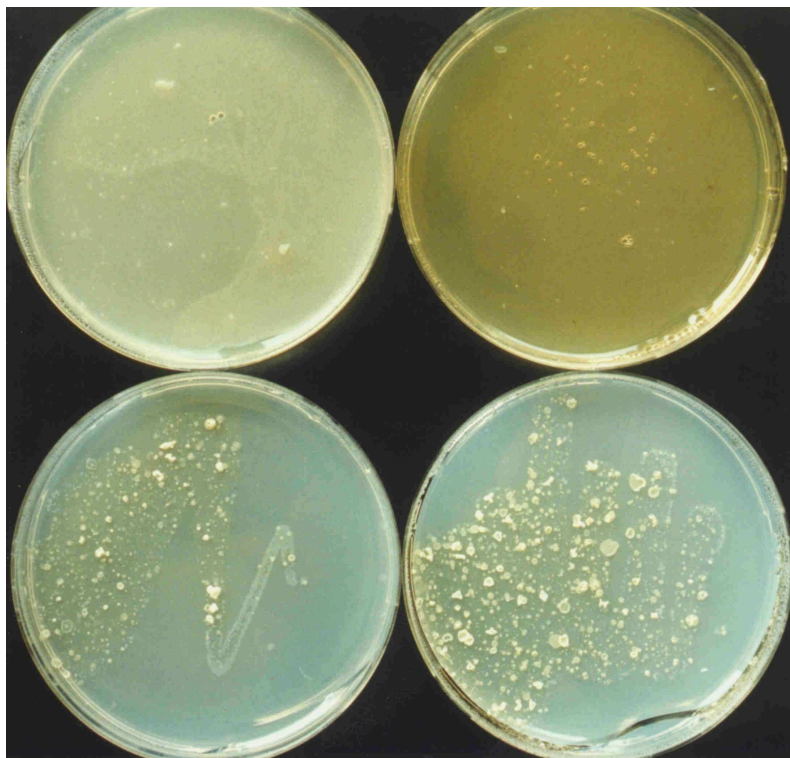
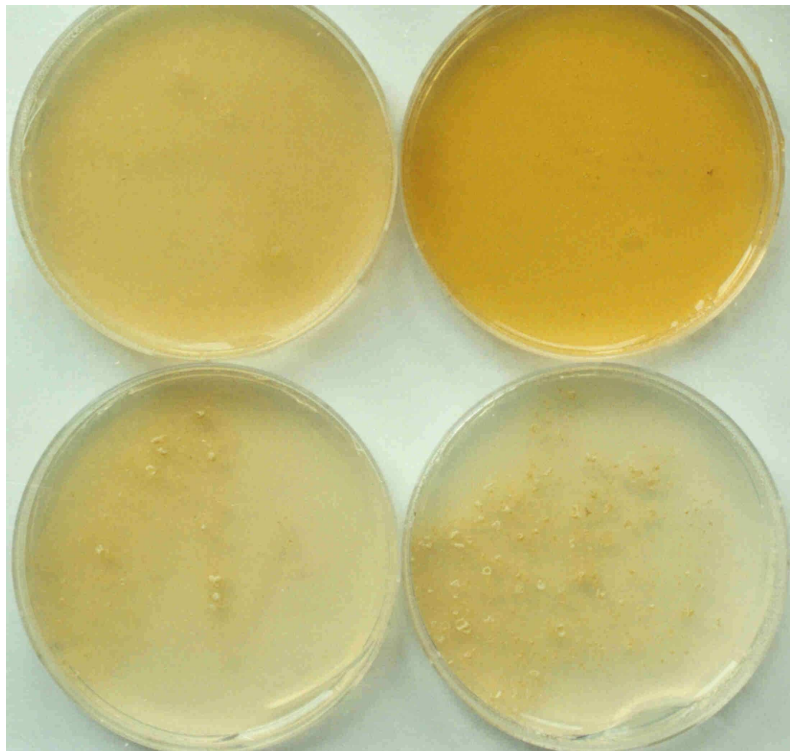
Enzymes:



Actinomadura viridilutea

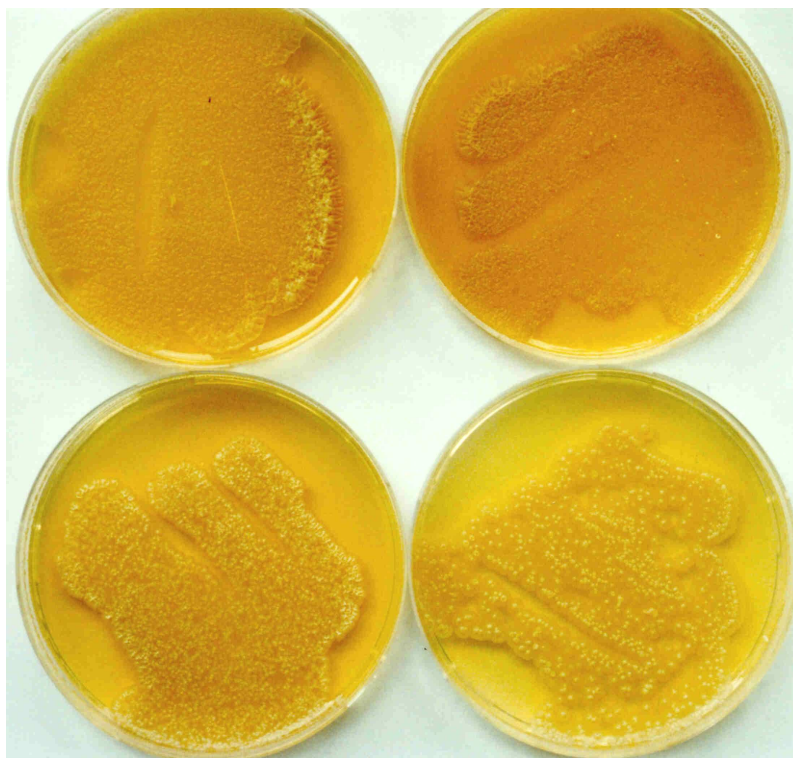
A – Agar plates medium 5265, 5315, 5317 and 5323

B – Colony detail on medium 5337 without tyrosine



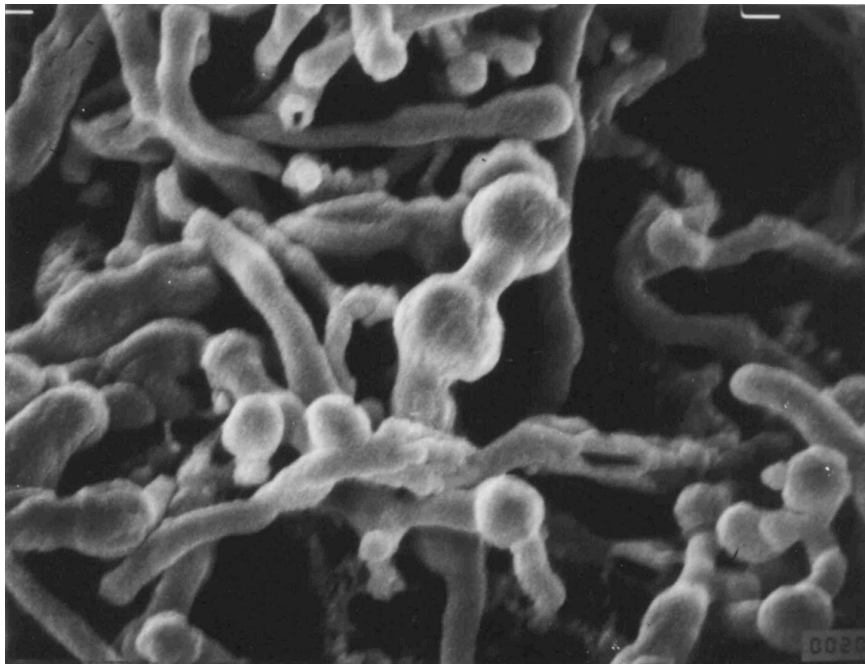
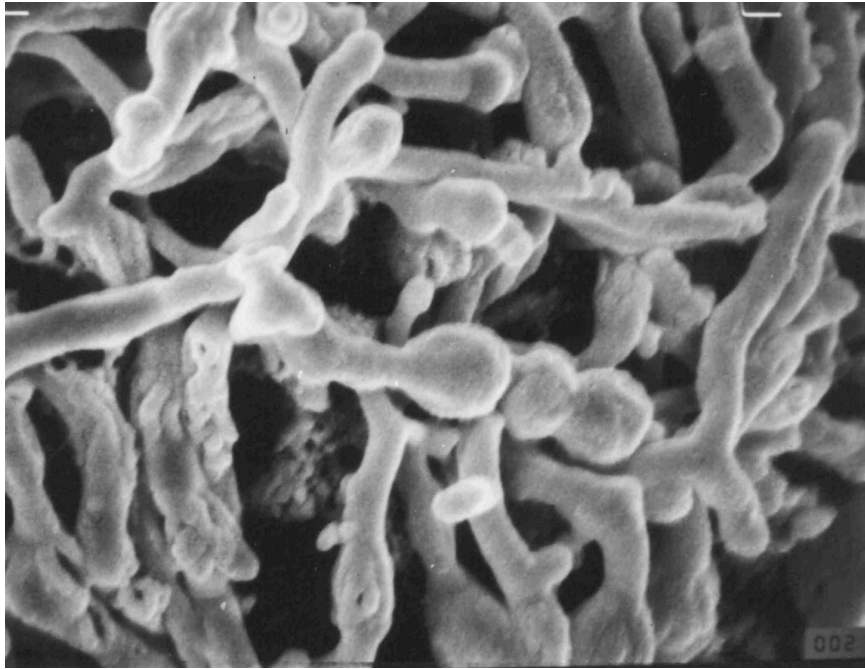
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C and D – Agar plates medium 5318, 5322, 5337 with and without tyrosine



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E and F – Agar plates medium 5006, 5429, 5430 and 5433



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Short spore chains in SEM
G and H x 10.000