

Name: *Streptomyces capillispiralis*

Authors: Mertz and Higgins 1982

Status: New Species

Reference(s): Int. J. Syst. Bacteriol. 32:123

Risk group: 1 (German classification)

Type strain: A 49492, NRRL 12279, DSM 41695

Author(s) Mertz, F. P., Higgins, C. E.
Title *Streptomyces capillispiralis* sp. nov.
Journal Int. J. Syst. Bacteriol.
Volume 32
Page(s) 116-124
Year 1982

Genus: *Streptomyces*

FH 2468

Species: *capillispiralis*

Numbers in other collections: NRRL 12279

Morphology:

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

Spore chains: Sp

Spore surface: knobby

Sporangia:

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance:

Lysozyme resistance:

pH: Value- Optimum-
Temperature : Value- Optimum- 28 °C

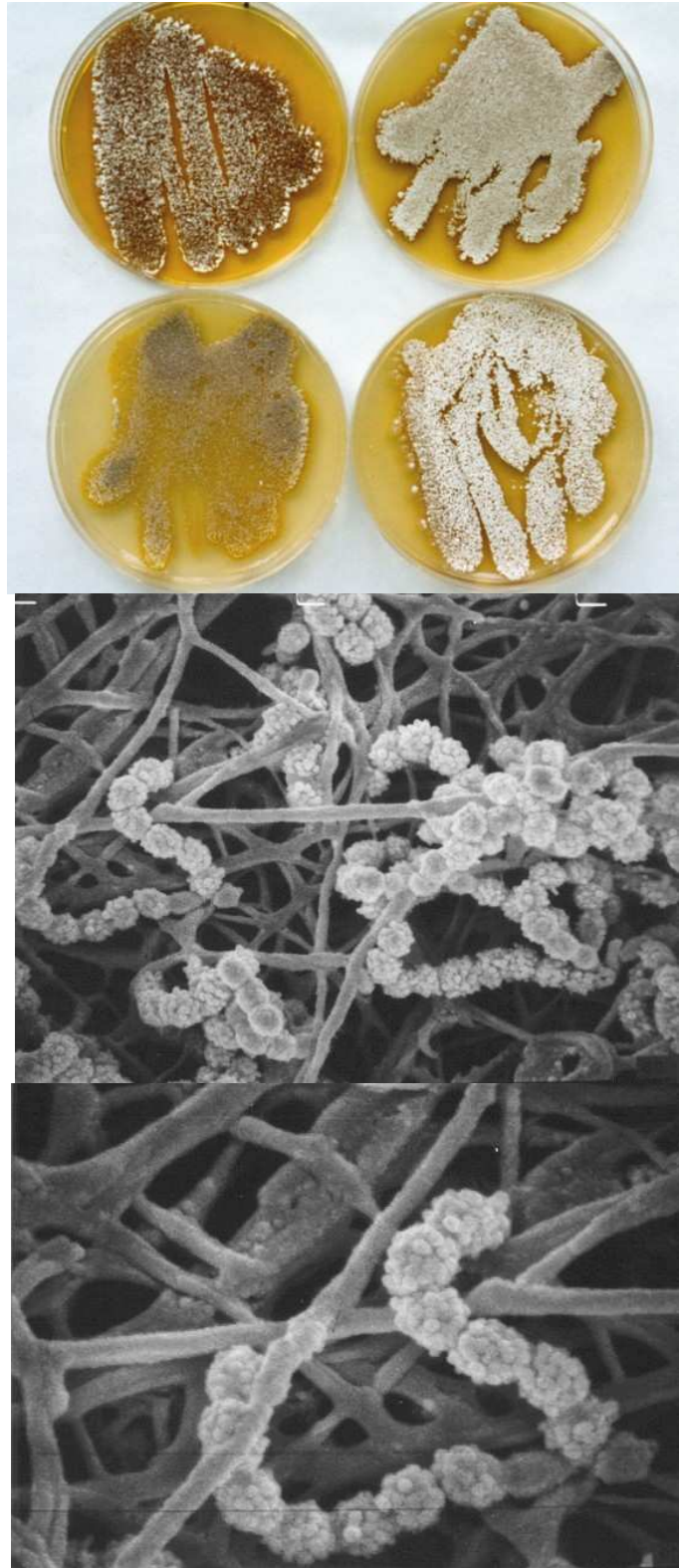
Carbon utilization:

Glu Ara Suc Xyl Ino Man Fru Rha Raf Cel

Enzymes:

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

Comments



Streptomyces capillispiralis

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

Spore chain morphology and spore surface in SEM (B x 5.000/C x 10.000)



Streptomyces capillispiralis

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