

Name: ***Streptomyces spinoverrucosus***

Authors: Diab and Al-Gounaim 1982

Status: New Species

Reference(s): Int. J. Syst. Bacteriol. 32:331

Risk group: 1 (German classification)

Type strain: ATCC 33692, Diab 163 MA, NCIB 11666,
DSM 41648

Author(s) Diab, A., Al-Gounaim, M. Y.
Title *Streptomyces spinoverrucosus*, a new species from the air of
Kuwait.
Journal Int. J. Syst. Bacteriol.
Volume 32
Page(s) 327-331
Year 1982

Genus: *Streptomyces*

FH 2129

Species: *spinoverrucosus*

Numbers in other collections: NCIB 11666

Morphology:

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

Spore chains: Sp

Spore surface: spiny

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
+	+	+	+	+	+	-	+	+	(+)	+

Comments:



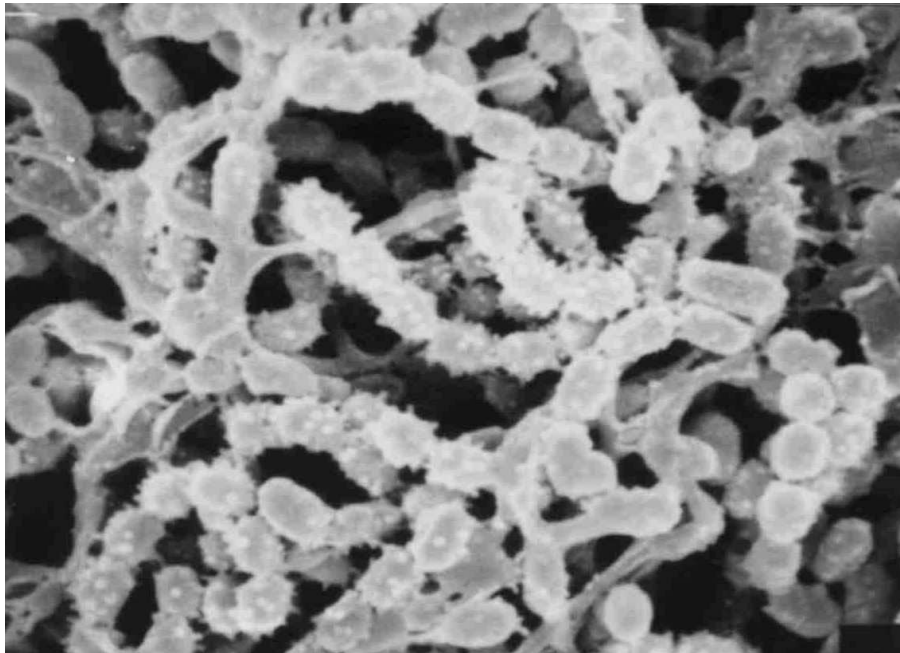
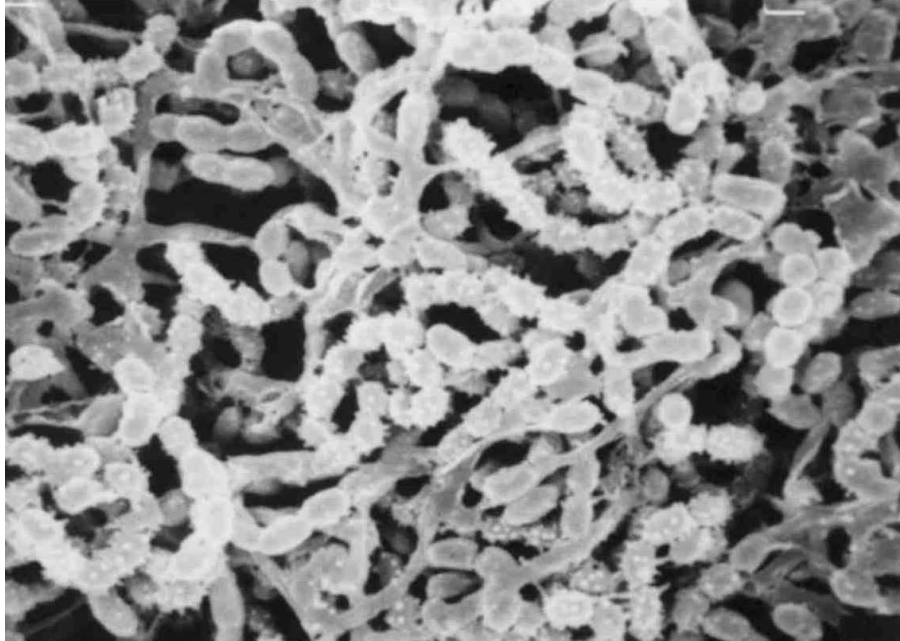
Streptomyces spinoverrucosus

A and B – Agar plates medium 5006, 5265 and 5315



Streptomyces spinoverrucosus

C and D – Microplate with ISP- and melanic media



Streptomyces spinoverrucosus

Spore chain morphology and spore surface in SEM

E x 5.000 F x 7.500