

Name: ***Actinomadura fibrosa***

Authors: Mertz and Yao 1990

Status: New Species

Literature: Int. J. Syst. Bacteriol. 40:31

Risk group: 1 (German classification)

Type strain: A82810.1, DSM 44224, NRRL 18348

Author(s) Mertz, F. P., Yao, R. C.
Title *Actinomadura fibrosa* sp. nov. isolated from soil.
Journal Int. J. Syst. Bacteriol.
Volume 40
Page(s) 28-33
Year 1990

Genus: *Actinomadura*

FH 2435

Species: *fibrosa*

Numbers in other collections: ATCC 49459

Morphology:

	G	R
<u>ISP 2</u>	good	red violett
	A	SP
	white	none
	G	R
<u>ISP 3</u>	good	red violett
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	red violett
	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	red violett
	A	SP
	none	none
	G	R
<u>ISP 6</u>	sparse	red violett
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	red violett
	A	SP
	none	none

Spore chains:

Spore surface:

Sporangia:

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance: 2,5 %

Lysozyme resistance: -

pH: Value- Optimum-

Temperature : Value- Optimum- 30 °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 fibrosa

A and B – Agar plates medium 5265, 5006, 5315 and 5317



Actinomadura fibrosa

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