

Name: ***Acrocarpospora corrugata***

Authors: (Williams and Sharples 1976) Tamura et al. 2000

Status: New Combination

Literature: Int. J. Syst. Bacteriol. 50:1170

Risk group: 1 (German classification)

Type strain: ATCC 29331, DSM 43316, IFO 13972, NCIB 11120

Synonyms: *Streptosporangium corrugatum* (basonym)

Author(s) Williams, S. T., Sharples, G. P.

Title *Streptosporangium corrugatum* sp. nov., an actinomycete with some unusual morphological features.

Journal Int. J. Syst. Bacteriol.

Volume 26

Page(s) 45-52

Year 1976

Author(s) Tamura, T., Suzuki, S., Hatano, K.

Title *Acrocarpospora* gen. nov., a new genus of the order *Actinomycetales*.

Journal Int. J. Syst. Evol. Microbiol.

Volume 50

Page(s) 1163-1171

Year 2000

Fatty acid pattern:

13 : 0	3,0	17 : 0	6,0
14 : 0 Iso	6,0	16 : 0 2 OH	2,0
14 : 0	3,0	17 : 0 10methyl	16,0
15 : 0 Iso	3,0	18 : 1 cis 9	4,0
15 : 0	10,0	18 : 0	2,0
16 : 0 Iso	4,0		
16 : 0 10methyl	4,0		
17 : 1 Cis 9	14,0		

**Genus:** *Acrocarpospora*

**FH 2393**

**Species:** *corrugata*

**Numbers in other collections:** DSM 43316

Morphology:

	G	R
<u>ISP 2</u>	good	ochre yellow
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	ochre yellow
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	ochre yellow
	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	ochre yellow
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	ochre yellow
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	ochre yellow
	A	SP
	none	none

Spore chains:

Spore surface:

Sporangia:

Fragmentation:

**Melanoid pigment:** - - - -

**NaCl resistance:** 2,5 %

**Lysozyme resistance:**

**pH:** Value- Optimum-

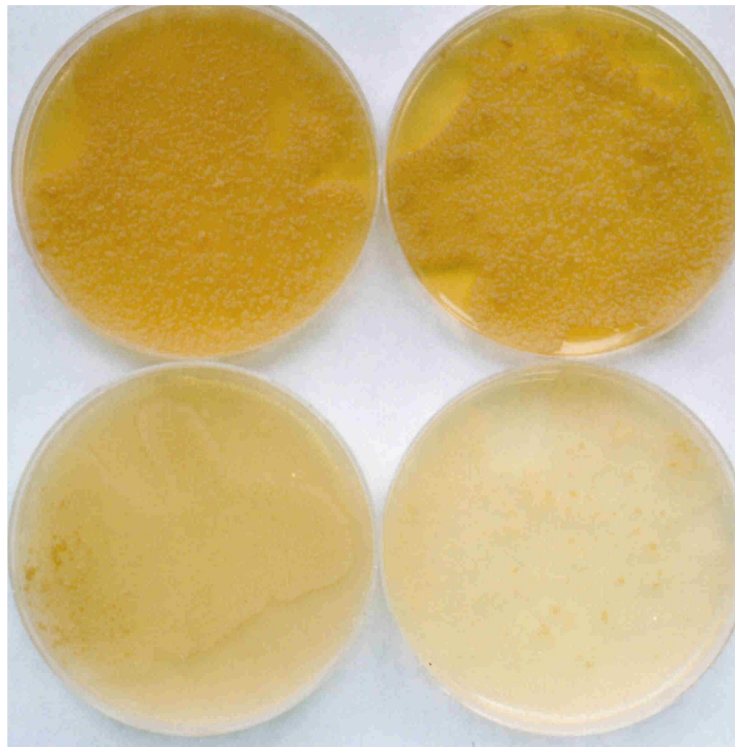
**Temperature :** Value- Optimum- 30 °C

**Carbon utilization:**

Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
+	+	+	(+)	(+)	(+)	(+)	+	(+)	(+)

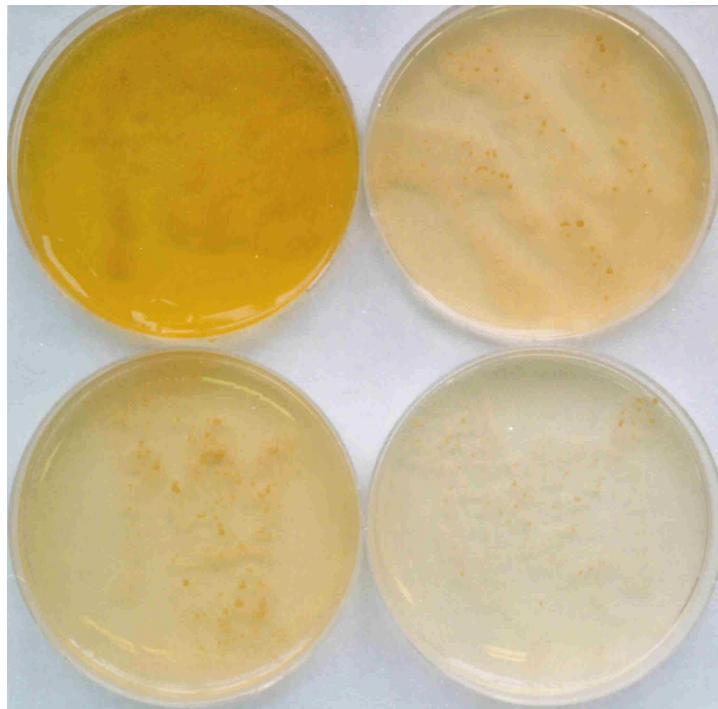
**Enzymes:**

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-



***Acrocarpospora corrugata***

A and B – Agar plates medium 5006, 5265, 5315 and 5323



***Acrocarpospora corrugata***

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