

Class

Actinobacteria

Subclass

Actinobacteridae

Order

Actinomycetales

Suborder

Streptosporangineae

Family

Streptosporangiaceae

Genus

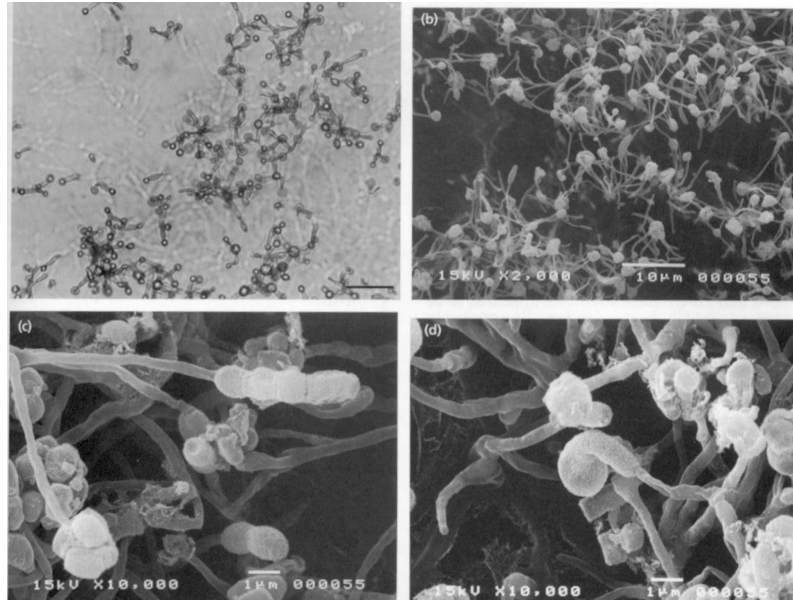
Acrocarpospora

Genus Identity Card

Genus	<i>Acrocarpospora</i>
Wall chemotype	glutamic acid, alanine, meso-DAP (type III)
Whole cell sugar pattern	madurose, glucose, galactose
Fatty acid pattern	iso C 16:0, 10 methyl C 17:0, C 17:1, C 17:0
Major menaquinone (MK)	-9(H ₄), 9(H ₂), 9(H ₆),
Phospholipidtype	phosphatidylethanolamine
Mol% G+C of DNA	68-69
Morphology	Non-acid-fast, aerobic organism with branching hyphae, non-fragmentary substrate mycelium, spherical and clubshaped structures are borne on tips of the aerial mycelium, these structures contain coiled spore chains with smooth ovale or short rod-like spores
Type species	<i>Acrocarpospora pleiomorpha</i>

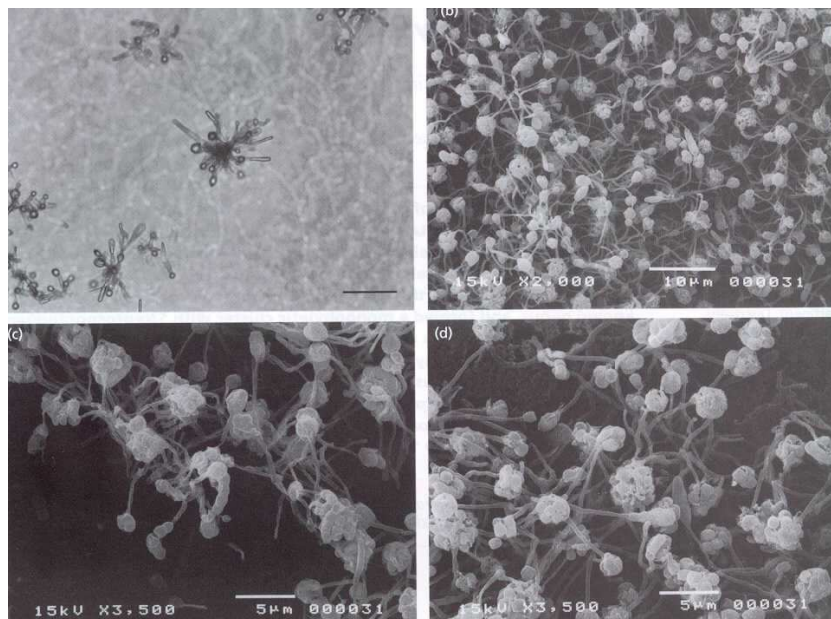
Acrocarpospora (Tamura 2000)

Acrocarpospora pleiomorpha



Acrocarpospora (Tamura 2000)

Acrocarpospora macrocephala



Acrocarpospora (Tamura 2000)

Acrocarpospora corrugata



Reference:

Tamura, T., S-i. Suzuki and K. Hatano. 2000.

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

Int. J. Syst. Bacteriol. 50: 1163-1171

Name: ACROCARPOSPORA
Authors: Tamura et al. 2000
Status: New Genus
Type species: *A. pleiomorpha*
Literature: Int. J. Syst. Bacteriol. 50:1170

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)

Name: *Acrocarpospora macrocephala*
Authors: Tamura et al. 2000
Status: New Species
Literature: Int. J. Syst. Bacteriol. 50:1170
Risk group: 1 (German classification)
Type strain: IFO 16266, R-55, DSM 44705

Name: ***Acrocarpospora pleiomorpha* (Type species)**
Authors: Tamura et al. 2000
Status: New Species
Literature: Int. J. Syst. Bacteriol. 50:1170
Risk group: 1 (German classification)
Type strain: IFO 16267, R-31, DSM 44706

Genus: *Acrocarpospora* FH 6415
Species: *pleiomorpha*
Numbers in other collections: DSM 44706

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>	sparse	ochre yellow
	A	SP
	none	none
	G	R
<u>ISP 6</u>	sparse	ochre yellow
	A	SP
	none	none
	G	R
<u>ISP 7</u>	sparse	ochre yellow
	A	SP
	none	none

Melanoid pigment: - - - -

NaCl resistance: %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- °C

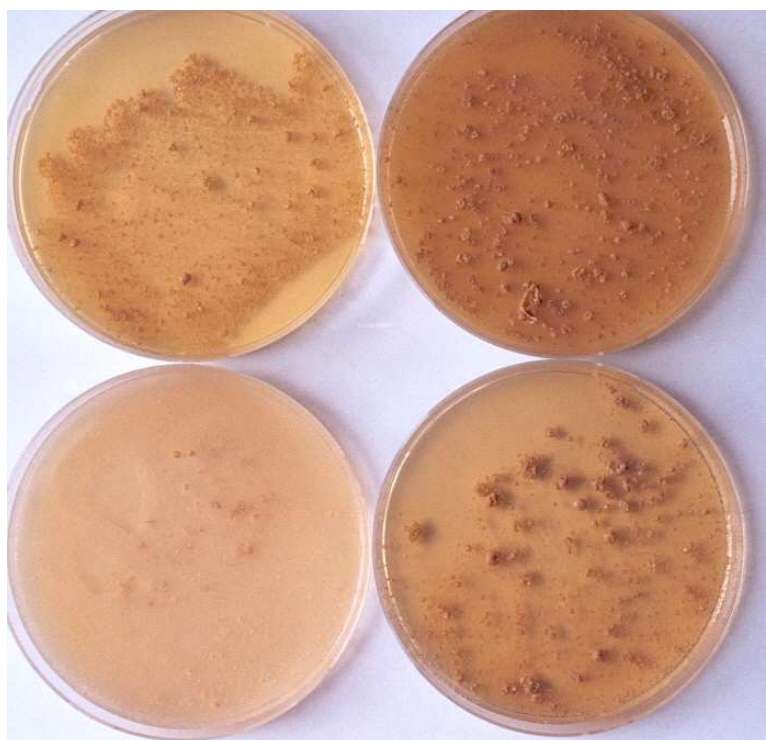
Carbon utilization:

Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
-	+	+	+	+	+	+	+	+	+

Enzymes:

2+	3+	4+	5-	6+	7+	8+	9(+)	10+	11+
12+	13-	14-	15-	16+	17+	18+	19-	20-	

Comments:



Acrocarpospora pleiomorpha

A and B - Agar plates media 5006, 5265, 5315 and 5429



Acrocarpospora pleiomorpha

Detail of colony growth on medium 5429 (upper), 5265 (middle) and 5006