

Name: ***Catenuloplanes crispus***
Authors: (Petrolini et al. 1993) Kudo et al. 1999
Status: New Combination
Literature: Int. J. Syst. Bacteriol. 49:1858
Risk group: 1 (German classification)
Type strain: DSM 44128, IPV 2867, NCB 1173
Synonyms: *Planopolyspora crispa* (basonym)

Author(s) Petrolini, B., Quaroni, S., Saracchi, M., Sardi, P.
Title A new genus of the maduromycetes: *Planopolyspora* gen. nov.
Journal Actinomycetes
Volume 4
Page(s) 8-16
Year 1993

Author(s) Kudo, T., Nakajima, Y., Suzuki, K.
Title *Catenuloplanes crispus* (Petrolini et al. 1993) comb. nov.: incorporation of the genus *Planopolyspora* Petrolini 1993 into the genus *Catenuloplanes* Yokota et al. 1993 with an amended description of the genus *Catenuloplanes*.
Journal Int. J. Syst. Bacteriol.
Volume 49
Page(s) 1853-1860
Year 1999

Genus: *Catenuloplanes*
Species: *crispus*
Accession number: ATCC 51431

FH 2681

Morphology:

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

Spore chains: spirals

Spore surface: smooth

Sporangia: -

Fragmentation: -

Melanoid pigment: - (+) - -

NaCl resistance: 0 %

Lysozyme resistance:

pH: Value-

Optimum-

Temperature : Value-

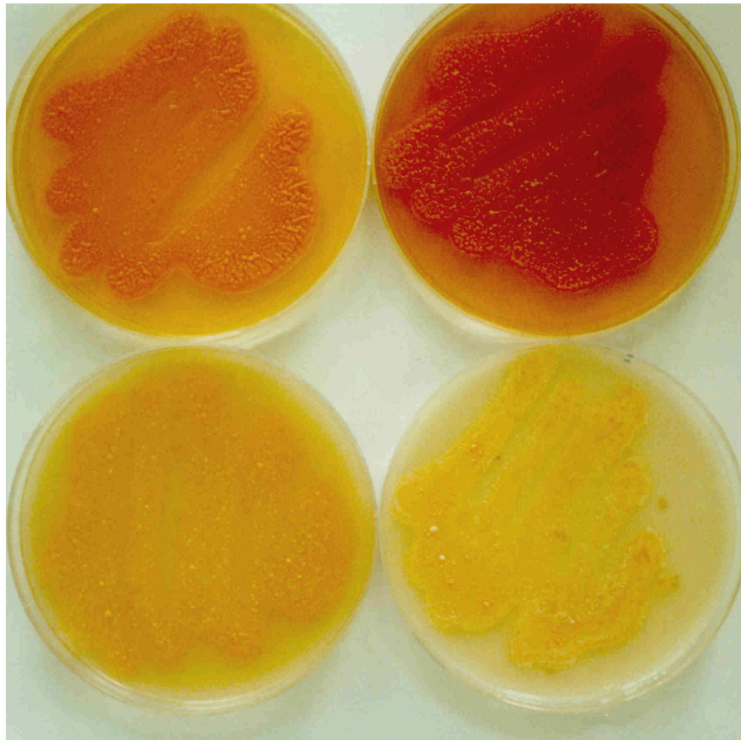
Optimum- 28°C

Carbon utilization:

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

Enzymes:

Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
(+)	-	+	-	-	-	-	+	+	-	-
2+	3-	4-	5-	6(+)	7-	8-	9+	10+	11+	12-
13+	14+	15+	16+	17+	18+	19-	20-			



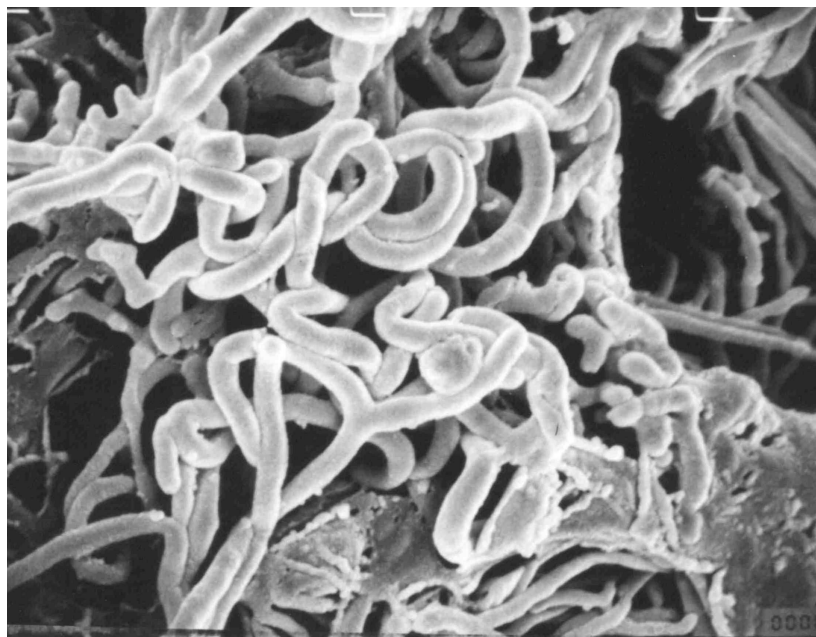
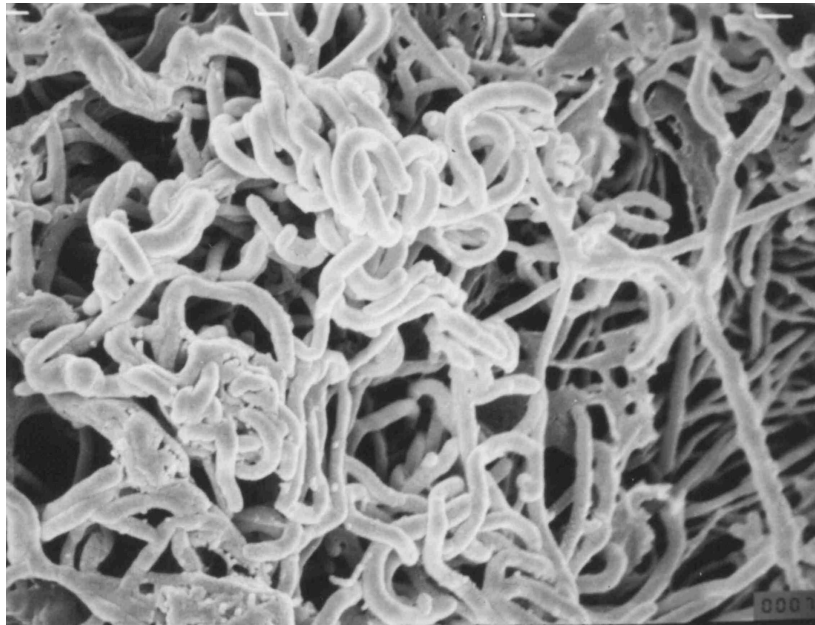
Catenuloplanes crispus

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



Catenuloplanes crispus

C and D – Agar plates medium 5323, 5318 and 5322



Catenuloplanes crispus

Aerial mycelium with spore chains in SEM

E x 3.500 F x 5.000