

Name: ***Streptosporangium nondiastaticum***

Authors: Nonomura and Ohara 1969

Status: Approved Lists

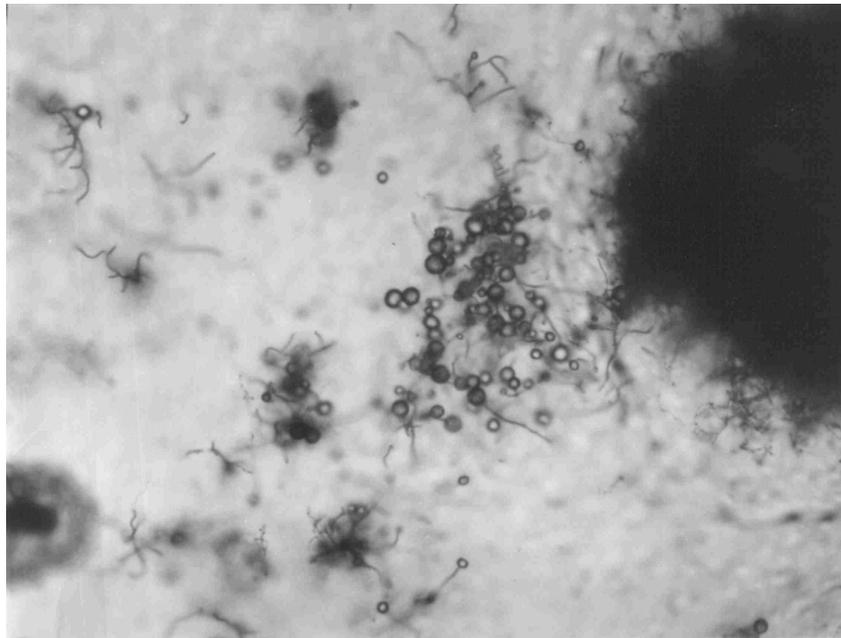
Literature: Int. J. Syst. Bacteriol. 30:406 (AL)

Risk group: 1 (German classification)

Type strain: ATCC 27101, DSM 43848, IMET 9018

Fatty acid pattern:

13 : 0	1,0	10 : 0 Iso 2OH	1,0
14 : 0 Iso	3,0	17 : 0	5,0
14 : 0	3,0	17 : 0 10methyl	16,0
15 : 0 Iso	3,0	18 : 1 cis 9	3,0
15 : 0	9,0	18 : 0	3,0
16 : 0 Iso	15,0		
16 : 1 Cis 9	5,0		
16 : 0	13,0		
16 : 0 10methyl	9,0		
17 : 1 Cis 9	7,0		



Streptosporangium nondiastaticum
Sporangia in Lightmicroscopy (x 240)

Genus: *Streptosporangium*

FH 2352

Species: *nondiastaticum*

Numbers in other collections: ATCC 27101

Morphology:

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

Spore chains:

Spore surface: smooth

Sporangia: +

Fragmentation:

Melanoid pigment: - - (+) -

NaCl resistance: 2,5 %

Lysozyme resistance: 0-10

pH: Value- more than 3,5

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-			



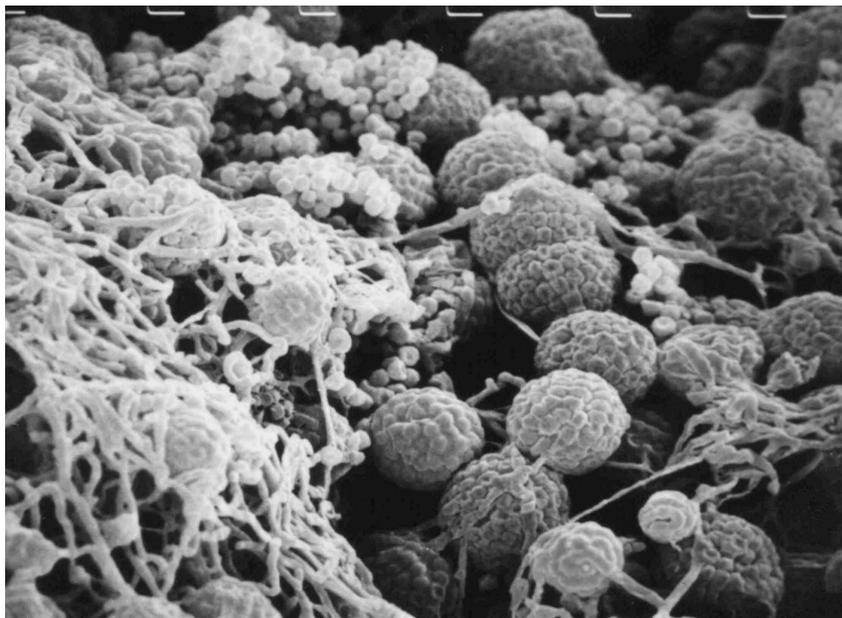
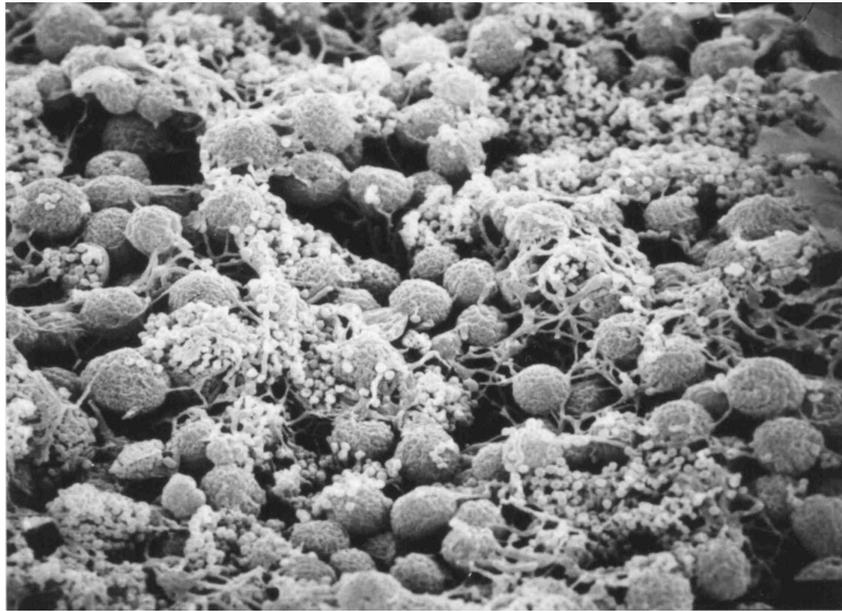
Streptosporangium nondiastaticum

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



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



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Sporangia in SEM

E x 1.000 F x 2.000