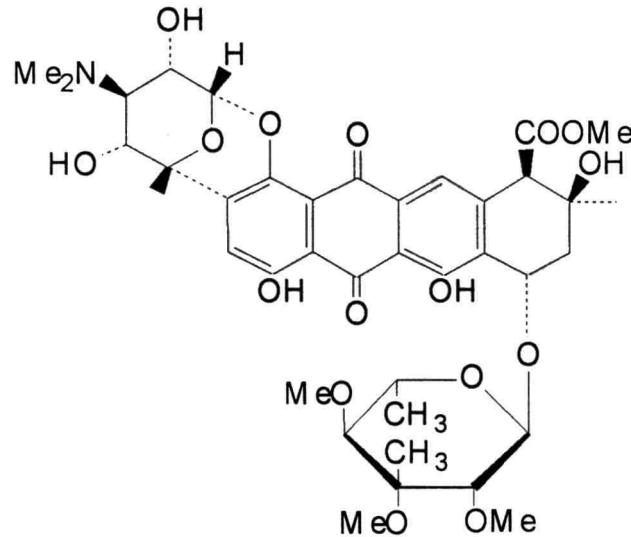


Name:	<i>Streptomyces nogalater</i>
Authors:	Bhuyan and Dietz 1966
Status:	Approved Lists
Reference(s):	Int. J. Syst. Bacteriol. 30:394 (AL)
Risk group:	1 (German classification)
Type strain:	IMET 43360, NRRL 3035, DSM 40546

Secondary metabolites from *Streptomyces nogalater*
Nogalamycin, anthracycline antibiotic, antineoplastic, highly active
against gram-positive bacteria



Genus: *Streptomyces*

FH 2016

Species: *nogalater*

Numbers in other collections: IMET 43360

Morphology:

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

Spore chains: Rf

Spore surface: warty

Sporangia:

Fragmentation:

Melanoid pigment: - - + -

NaCl resistance:

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-			

Comments:



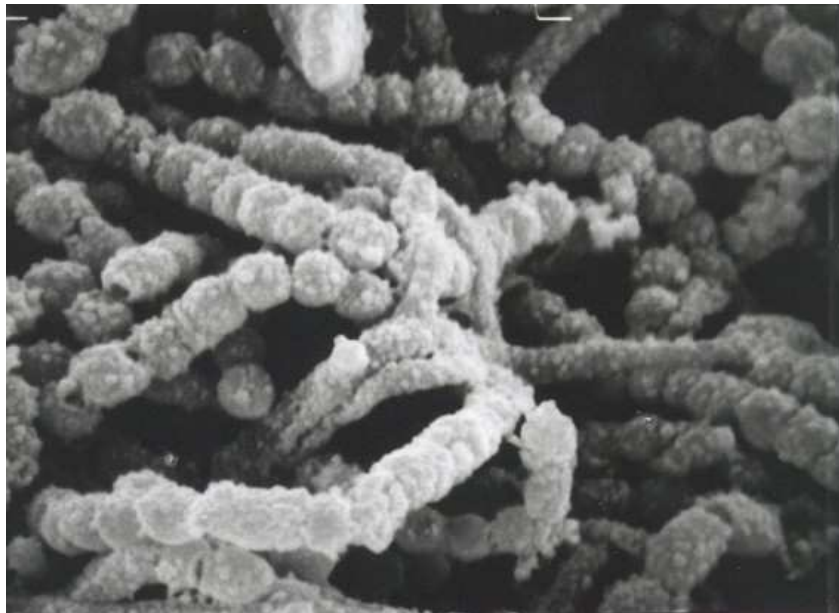
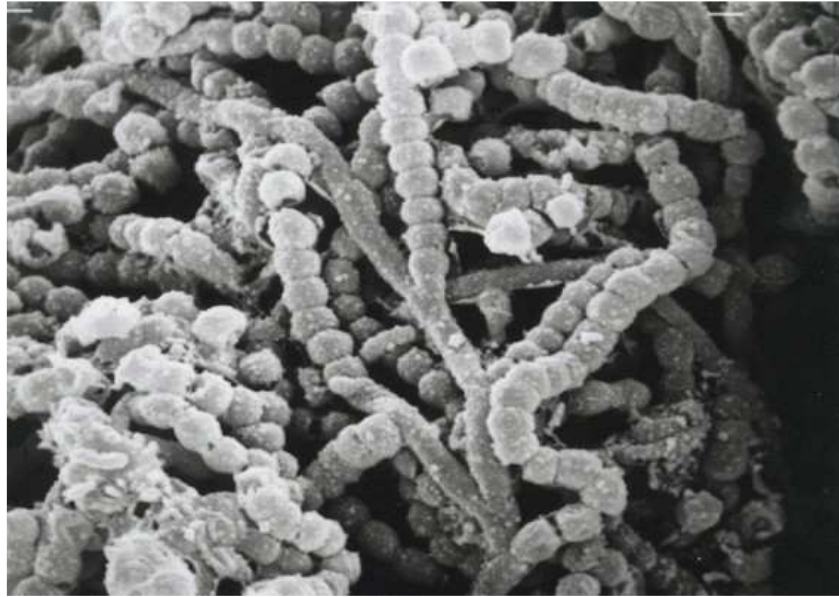
Streptomyces nogalater

A and B – Agar plates medium 5265, 5315, 5317 and 5323



Streptomyces nogalater

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



Streptomyces nogalater

Spore chain morphology and spore surface in SEM

E x 5.000 F x 7.500