

Name: *Streptomyces purpureus*
Authors: (Matsumae and Hata 1968)
Goodfellow et al. 1986
Status: New Combination
Reference(s): Int. J. Syst. Bacteriol. 36:575 (validation list)
Risk group: 1 (German classification)
Type strain: ATCC 27787, DSM 43362, IFO 13927, JCM
3172, KCC A-0172, NRRL B-5403
Other names: *Kitasatoa diplospora* (subjective synonym),
Kitasatoa kauaiensis (subjective synonym),
Kitasatoa nagasakiensis (subjective synonym),
Kitasatoa purpurea (basonym)

Author(s) Matsumae, A., et al.
Title A new genus of the *Actinomycetales*: *Kitasatoa* gen. nov.
Journal J. Antibiot. (Tokyo)
Volume 21
Page(s) 616-625
Year 1968

Genus: *Streptomyces*

FH 2069

Species: *purpureus*

Numbers in other collections: DSM 43362

Former Kitasatoa purpurea

Morphology:

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

Spore chains: RF

Spore surface: smooth

Sporangia:

Fragmentation:

Melanoid pigment: -

NaCl resistance: 5 %

Lysozyme resistance: -

pH: Value-

Optimum-

Temperature : Value-

Optimum- 28°C

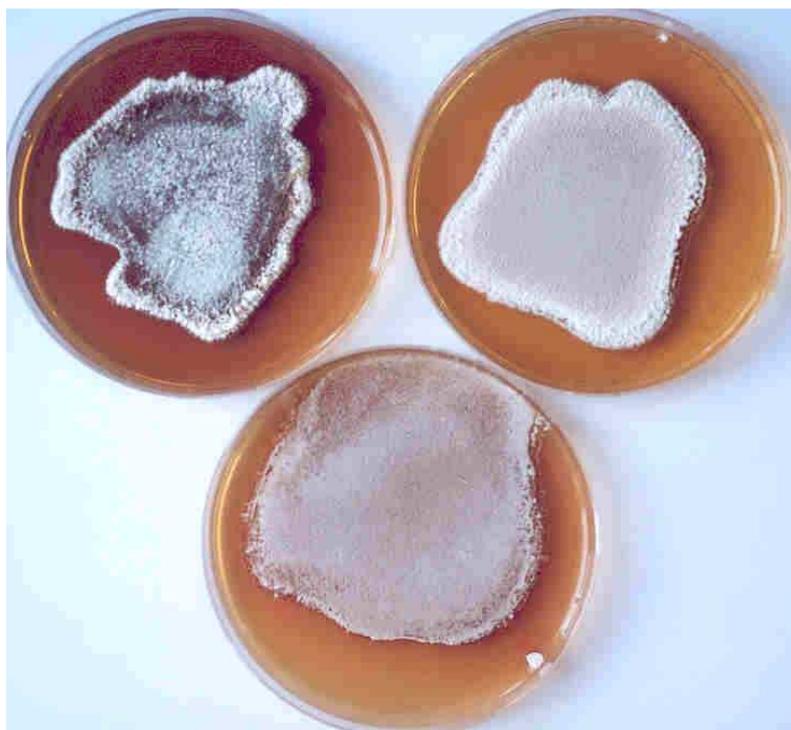
Carbon utilization:

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

Enzymes:

Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
-	-	-	+	-	+	-	-	-	-	-

Comments:



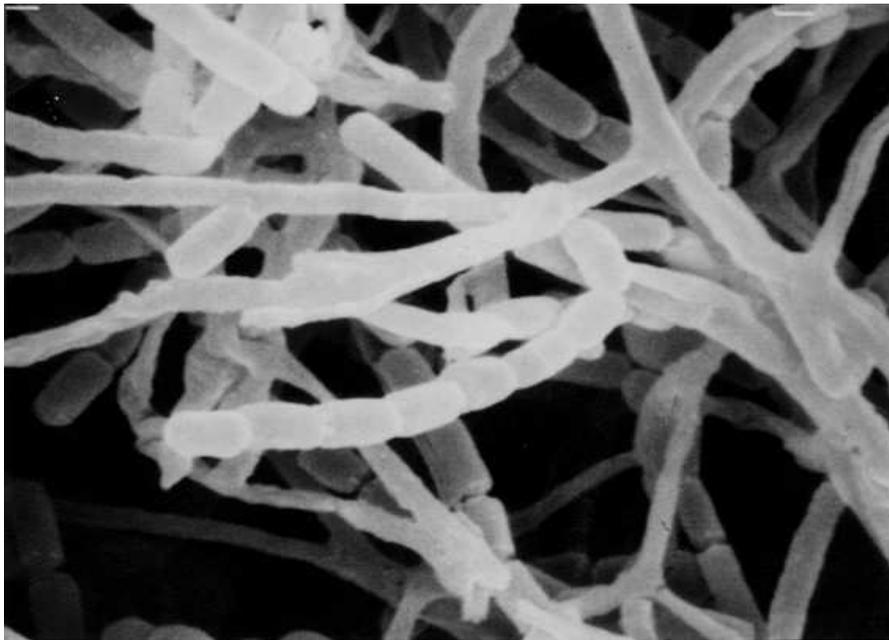
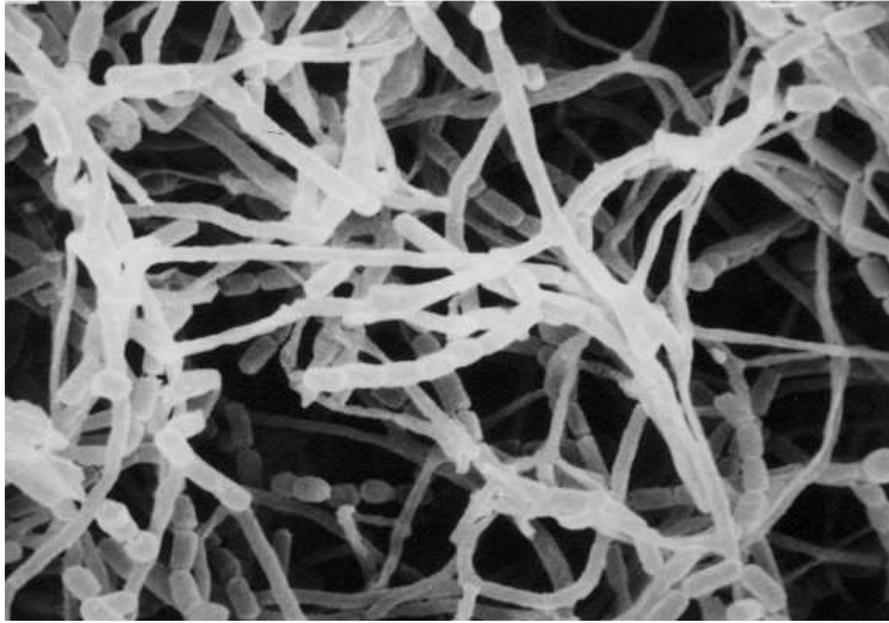
Streptomyces purpureus

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



Streptomyces purpureus

C and D – Microplate with ISP- and melanin media



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Spore chain morphology and spore surface in SEM

E x 5.000 F x 10.000