

Name: ***Streptomyces sulphurous***

Authors: (Gasperini 1894) Waksman 1953

Status: Approved Lists

Reference(s): Int. J. Syst. Bacteriol. 30:401 (AL)

Risk group: 1 (German classification)

Type strain: ATCC 27468, IMET 40623, DSM 40104

**Genus:** *Streptomyces*

FH 2022

**Species:** *sulphureus*

**Numbers in other collections:** IMET 40623

Morphology:

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

Spore chains: SP

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:

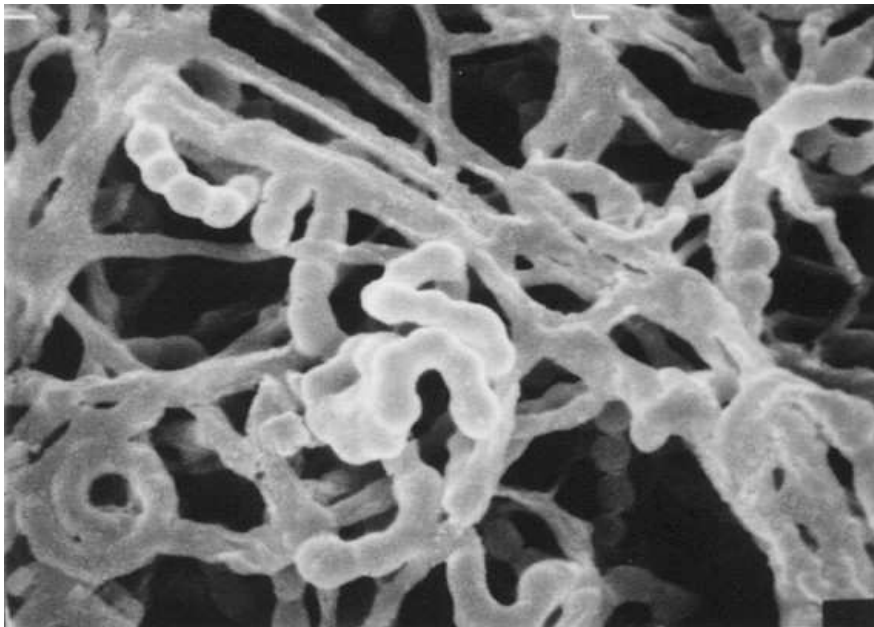
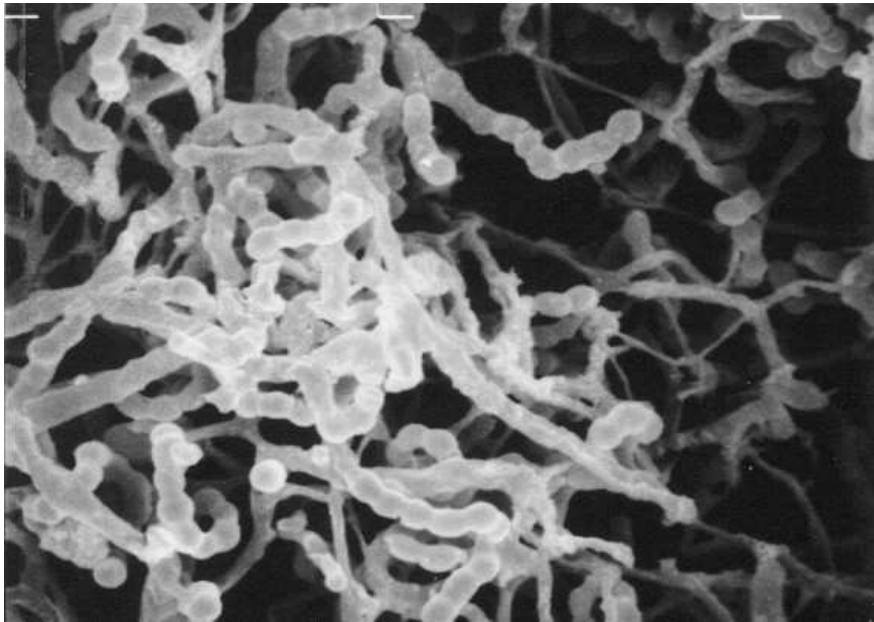
Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
+	-	-	-	-	-	-	-	+	-	-

Comments:



***Streptomyces sulphureus***

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



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Spore chain morphology and spore surface in SEM  
C x 5.000 D x 7.500