

Name: ***Streptomyces morookaensis***

Authors: (Locci and Schofield 1989) Witt and Stackebrandt 1991

Status: New Combination

Reference(s): Int. J. Syst. Bacteriol. 41:456 (validation list)

Risk group: 1 (German classification)

Type strain: ATCC 19166, DSM 40503

Other names: *Streptoverticillium morookaense* (basonym)



Streptomyces morookaensis

A – Agar plate medium 5265, 5315, 5317 and 5323

Genus: *Streptomyces*

FH 2514

Species: *morookaensis*

Numbers in other collections: ATCC 14808

Morphology:

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

Spore chains: Ve

Spore surface: smooth

Sporangia:

Fragmentation:

Melanoid pigment: - - (+) -

NaCl resistance: 5 %

Lysozyme resistance: 1 %

pH: Value- Optimum-

Temperature : Value- Optimum- 28 °C

Carbon utilization:

Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
(+)	(+)	(+)	(+)	+	+	+	(+)	(+)	(+)

Enzymes:

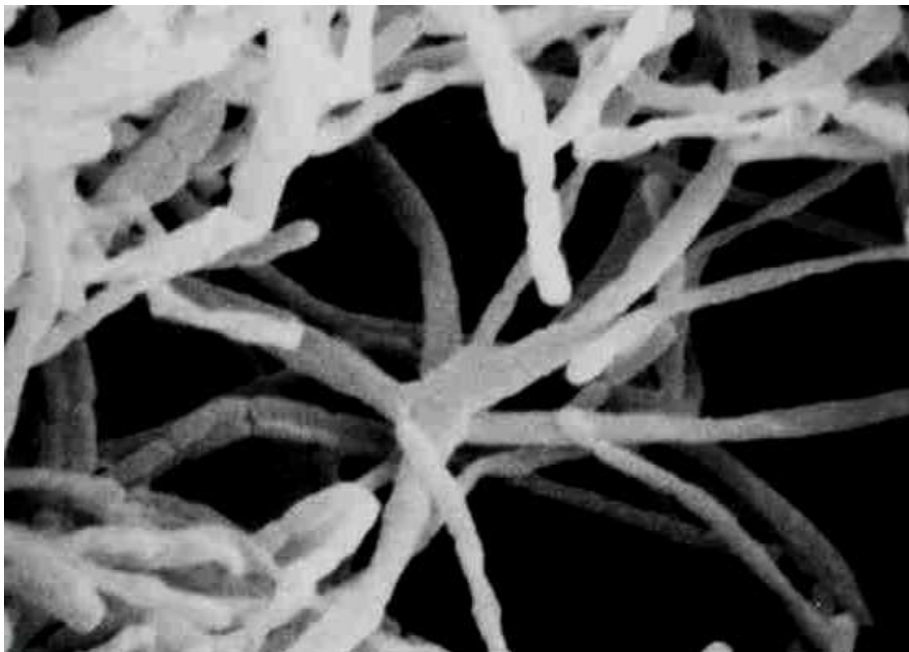
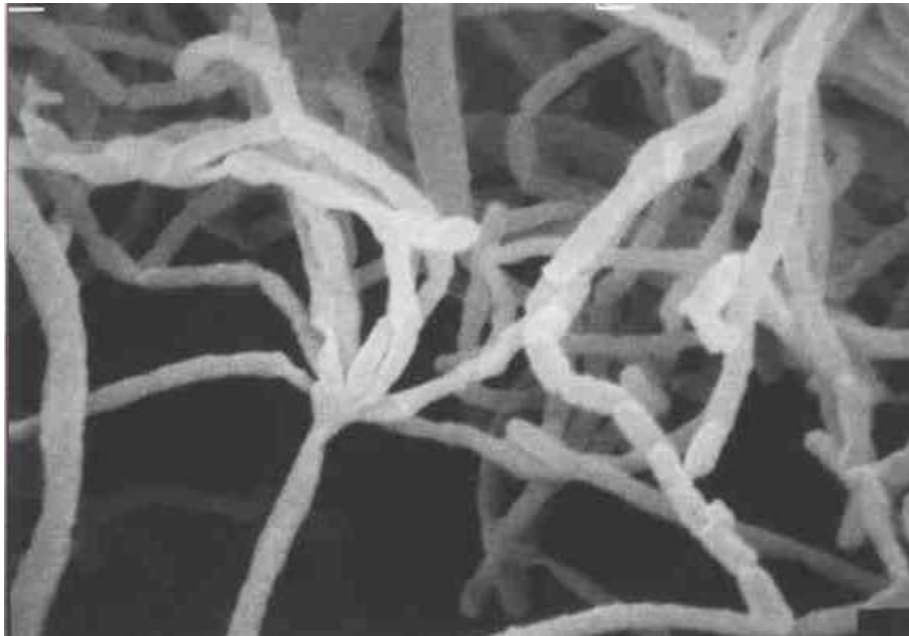
Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
-	-	+	-	-	-	-	-	+	-	-

Comments:



Streptomyces morookaensis

B and C – Agar plates medium 5006, 5318, 5322, 5337 with and without tyrosine



Streptomyces morookaensis

Verticillation in the aerial mycelium with smooth spores (SEM)
D and E x 7.500