

Name: ***Streptomyces torulosus***

Authors: Lyons and Pridham 1971

Status: Approved Lists

Reference(s): Int. J. Syst. Bacteriol. 30:402 (AL)

Risk group: 1 (German classification)

Type strain: CBS 801.71, NRRL B-3889, DSM 40894

Genus: *Streptomyces*

FH 2077

Species: *torulosus*

Numbers in other collections: DSM 40894

Morphology:

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

Spore chains: Sp

Spore surface: knobby

Sporangia:

Fragmentation:

Melanoid pigment: + + + -

NaCl resistance: 2,5%

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:



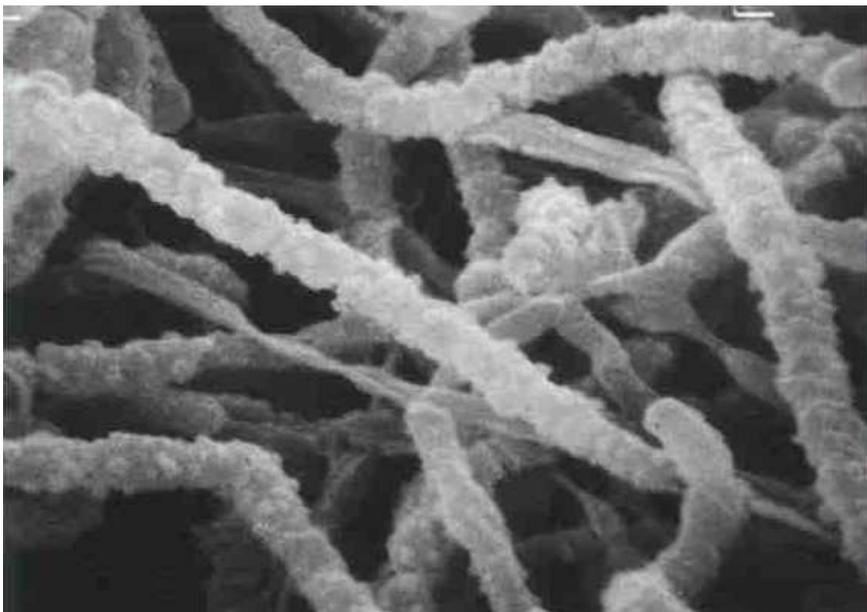
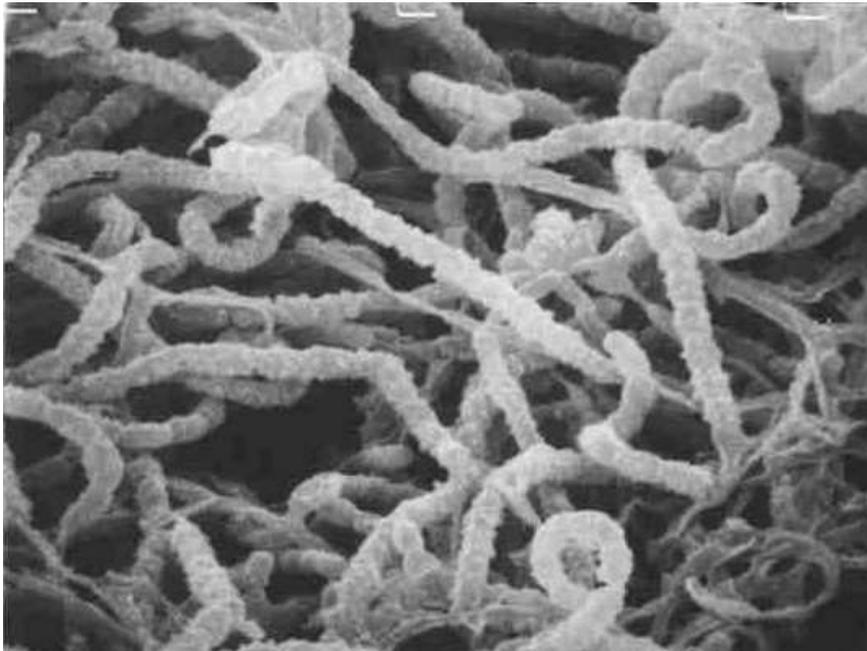
Streptomyces torulosus

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



Streptomyces torulosus

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