

Name: ***Streptomyces mutomycini***
Authors: Gauze and Maksimova 1986
Status: New Species
Reference(s): Int. J. Syst. Bacteriol. 36:575 (validation list)
Risk group: 1 (German classification)
Type strain: INA 4305, DSM 41691



Streptomyces mutomycini

A – Microplate with ISP- and melanin media

Genus: *Streptomyces*

FH 2898

Species: *mutomycini*

Numbers in other collections: DSM 41691

Morphology:

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

Spore chains:

Spore surface:

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
+	-	+	-	+	+	-	-	-	-	-
2-	3-	4-	5-	6+	7+	8-	9(+)	10-	11+	12+
13-	14+	15-	16+	17(+)	18+	19-	20-			

Comments:



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