

Name: ***Streptomyces radiopugnans***

Authors: Mao et al. 2007

Status: New Species

Literature: Int. J. Syst. Evol. Microbiol. 57: 2581

Risk group: 1 (German classification)

Type strain: CGMCC 4.3519, DSM 41901, R97

Author: Mao J;Tang Q;Zhang Z;Wang W;Wei D;Huang Y;Liu Z;Shi Y;Goodfellow M

Title: *Streptomyces radiopugnans* sp. nov., a radiation-resistant actinomycete isolated from radiation-polluted soil in China

Journal: Int J Syst Evol Microbiol

Volume: 57

Page: 2578-2582

Year: 2007



Api Zym

Genus: ***Streptomyces***

FH 6855

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Species: *radiopugnans*

Numbers in other collections: DSM 41901

Morphology:

	G	R
<u>ISP 2</u>	good	cream
	A	SP
	cream	none
	G	R
<u>ISP 3</u>	good	cream
	A	SP
	cream	none
	G	R
<u>ISP 4</u>	good	cream
	A	SP
	cream	none
	G	R
<u>ISP 5</u>	sparse	beige
	A	SP
	none	none
	G	R
<u>ISP 6</u>	sparse	beige
	A	SP
	none	none
	G	R
<u>ISP 7</u>	sparse	beige
	A	SP
	none	none

Melanoid pigment: - - + -

NaCl resistance: %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- °C

Carbon utilization:

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

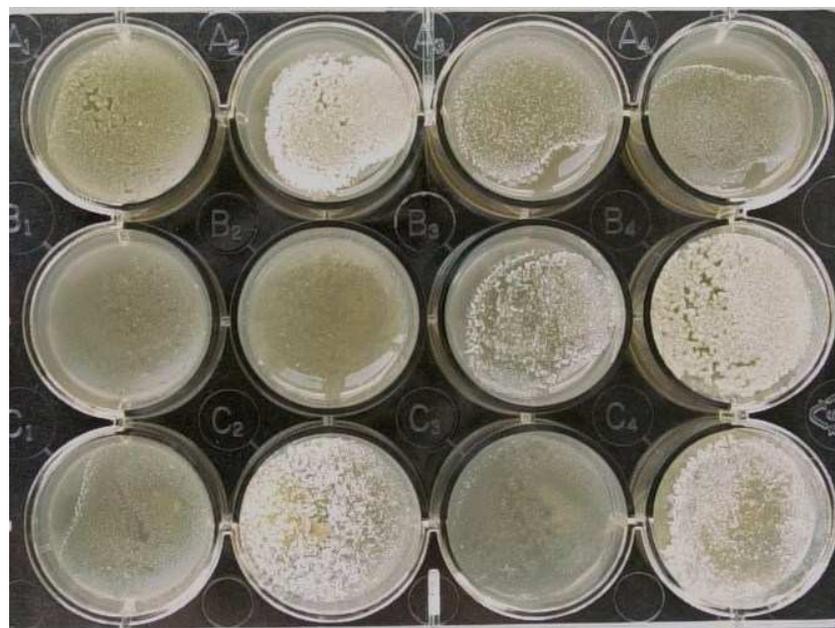
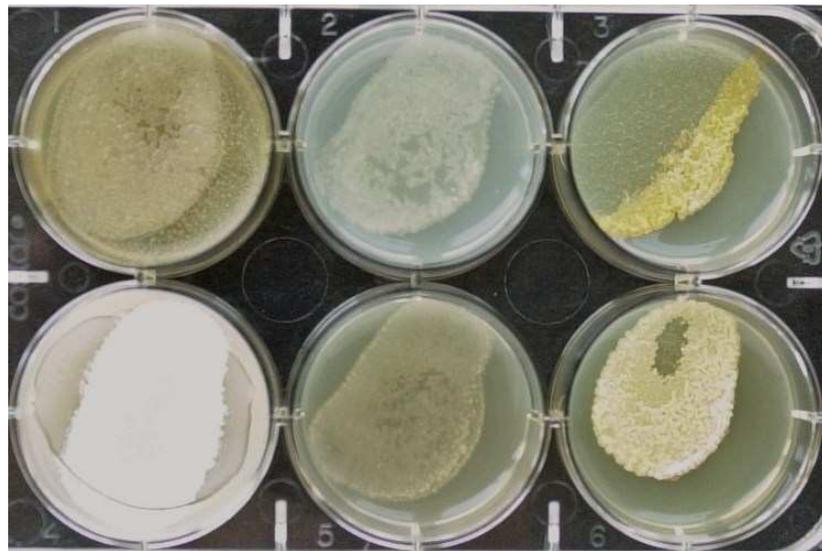
Enzymes:

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

Comments:



Streptomyces radiopugnans
Agar plates medium 5006, 5265 and 5315



Streptomyces radiopugnans

Microplate with ISP- and melanin media (upper)

Microplate for use of carbohydrates