

Name: *Rhodococcus baikonurensis*

Authors: Li et al. 2004

Status: New Species

Reference(s): Int. J. Syst. Evol. Microbiol. 54:834

Risk group: 1 (german classification)

Type strain: DSM 44587, JCM 11411

Author(s) Li, Y., Kawamura, Y., Fujiwara, N., Naka, T., Liu, H.,
Huang, X., Kobayashi, K., Ezaki, T.

Title *Rothia aerea* sp. nov., *Rhodococcus baikonurensis* sp. nov.
and *Arthrobacter rusicus* sp. nov., isolated from air in the
Russian space laboratory Mir.

Journal Int. J. Syst. Evol. Microbiol.

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Page(s) 827-835

Year 2004

Genus: *Rhodococcus*

FH 6434

Species: *baikonurensis*

Numbers in other collections: DSM 44587

Morphology:

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

Melanoid pigment: - - - -

NaCl resistance: %

Lysozyme resistance:

pH: Value- Optimum-
Temperature : Value- Optimum- 28 °C

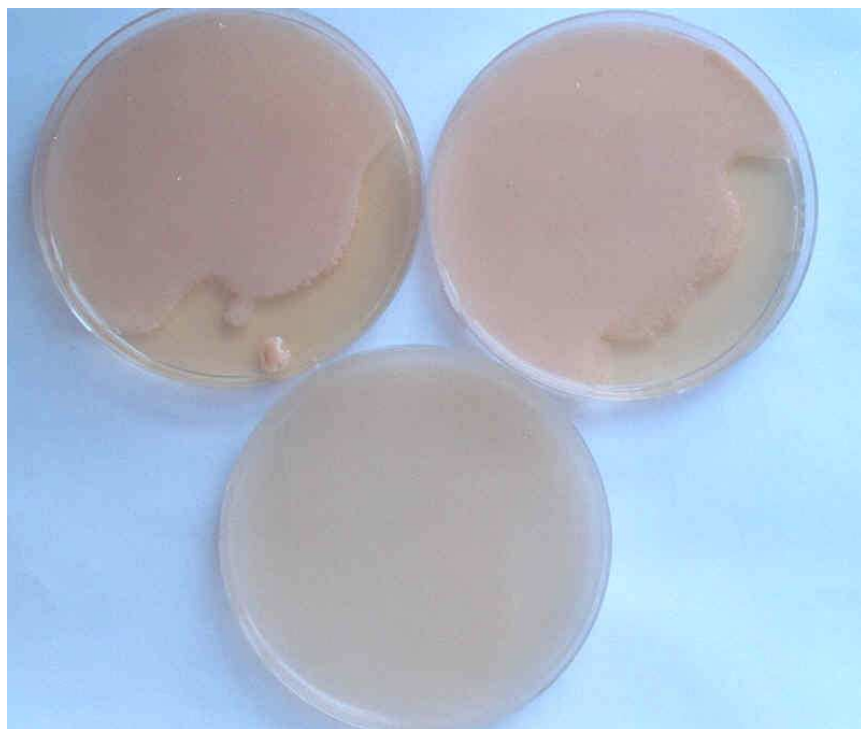
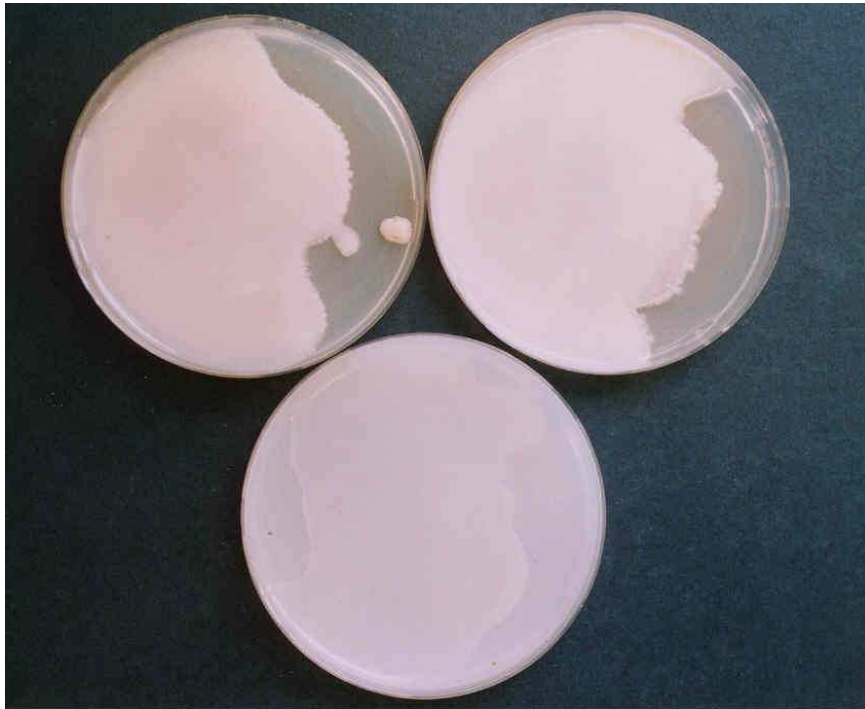
Carbon utilization:

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 -		
Nit	Pyz	Pyr	Pal	βGur	βGal	αGlu	βNag	Esc	Ure	Gel
-	-	(+)	-	-	-	+	-	+	+	-

Comments: Beige red on media 5429 and 5475



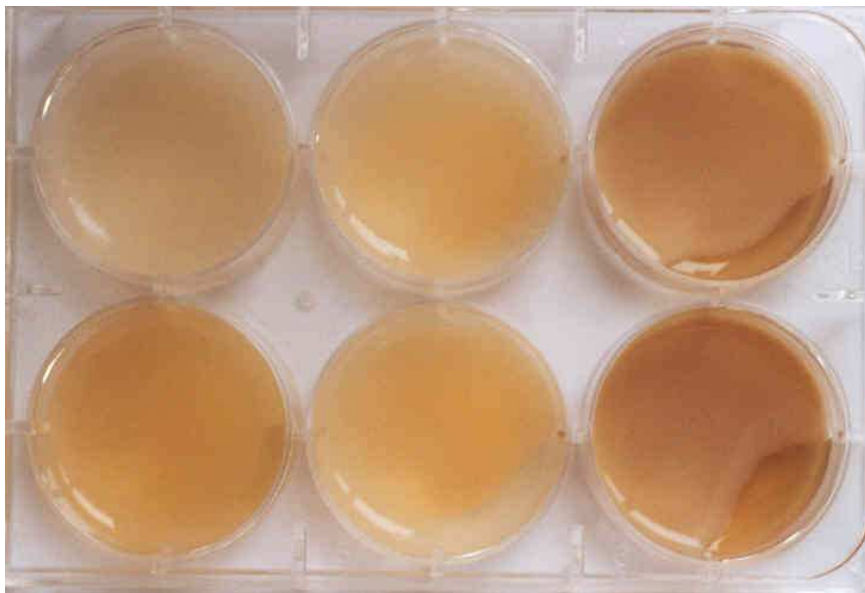
Rhodococcus baikonurensis

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



Rhodococcus baikonurensis

C and D – Agar plates medium 5429 and 5475



Rhodococcus baikonurensis

E and F – Microplate with ISP- and melanin media



Rhodococcus baikonurensis
G – Api Zym (upper) and Coryne