

Genus *Arthrobacter*
Species *russicus*
Subspecies

Author Li et al. 2004
Reclassification
Status valid

Type species DSM 14555

Hazard group 2

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 russicus* sp. nov., isolated from air in the
Russian space laboratory Mir.
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Genus: *Arthrobacter*

FH 6501

Species: *russicus*

Numbers in other collections: DSM 14555

Morphology:

	G	R
<u>ISP 2</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	beige
	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: Api Zym and Coryne

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: Good growth (beige) on medium 5006



Arthrobacter russicus

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



Arthrobacter russicus

C – Microplate with ISP- and melanin media

D – Api Zym (upper) and Api Coryne