

Genus *Arthrobacter*
Species *roseus*
Subspecies
Author Reddy et al. 2002

Reclassification
Status sp. nov.

Type species DSM 14508, JCM 11881, MTCC 3712

Hazard group 1

Author(s) Reddy, G. S. N., Prakash, J. S. S., Matsumoto, G. I.,
Stackebrandt, E., Shivaji, S.
Title *Arthrobacter roseus* sp. nov., a psychrophilic bacterium
isolated from an Antarctic cyanobacterial mat sample.
Journal Int. J. Syst. Evol. Microbiol.
Volume 52
Page(s) 1017-1021
Year 2002

Genus: *Arthrobacter*

FH 6274

Species: *roseus*

Numbers in other collections: DSM 14508

Reclassification:

Morphology:

	G	R
<u>ISP 2</u>	good	salmon orange
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	salmon orange
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	salmon orange
	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	salmon orange
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	salmon orange
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	salmon orange
	A	SP
	none	none

Melanoid pigment: - - - -

NaCl resistance: %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 22°C

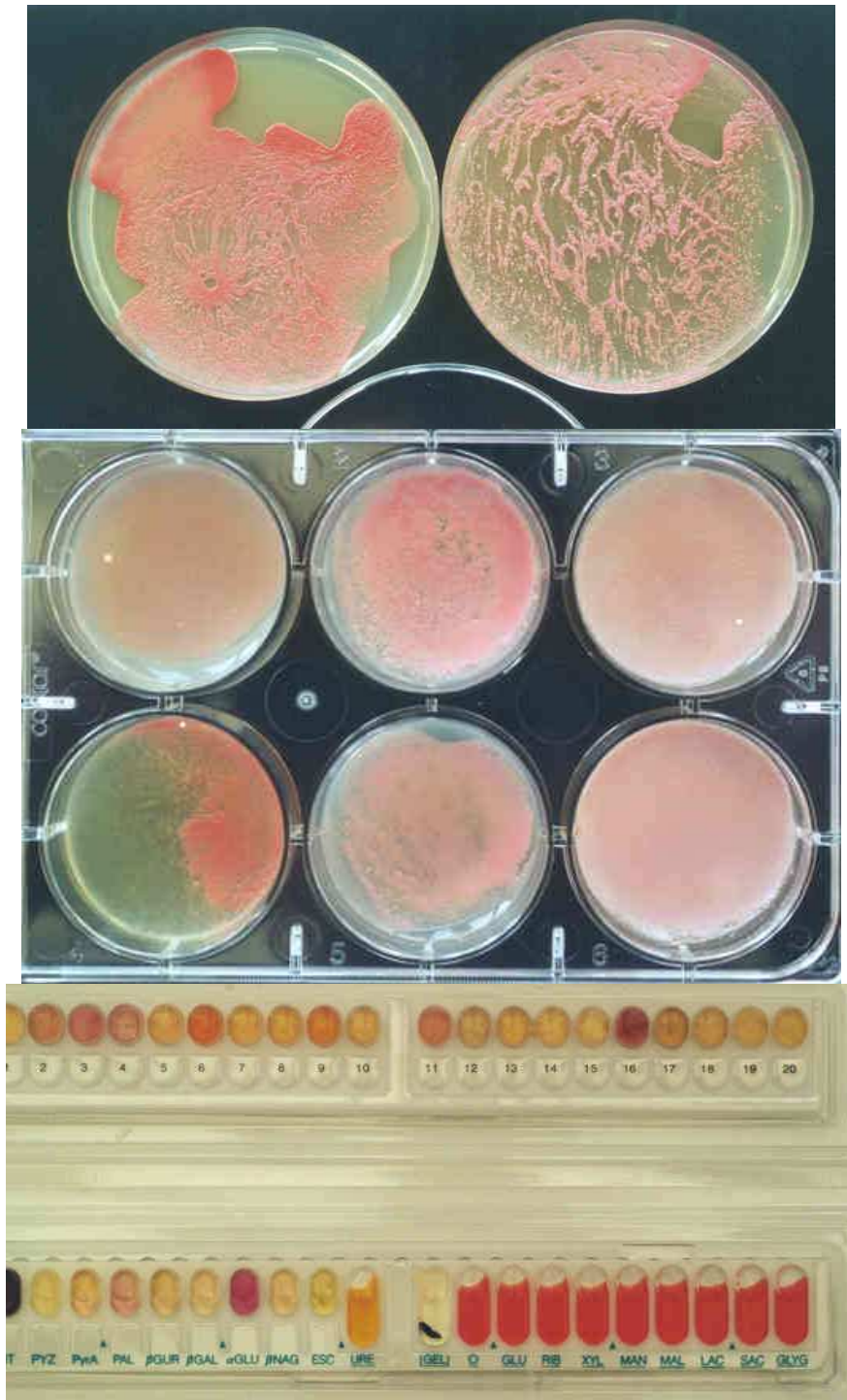
Carbon utilization:

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

Enzymes:

Api Zym		2+ 3+		4+ 5-		6+ 7-		8- 9+		10- 11+	
12-		13-		14-		15-		16+		17- 18-	
19-		20-		Api Coryne		Nit		Pyz		Pyr	
+		-		(+) (+)		Pal		βGur		βGal	
Glu		Rib		Xyl		Man		Mal		Lac	
-		-		-		-		-		-	
								αGlu		βNag	
								Esc		Ure	
								Glyg		Gel	
								-		-	

Comments:



Arthrobacter roseus

- A – Agar plates media 5006, 5265 and 5315
- B – Microplate with ISP- and melanin media
- C – Api Zym (upper) and Api Coryne