

Genus *Arthrobacter*
Species *psychrophenicus*
Subspecies

Author Margesin et al. 2004
Reclassification
Status sp. nov.

Type species DSM 15454, CIP 108593, LMG 21914

Hazard group 1

Author(s) Margesin, R., Schumann, P., Spröer, C., Gounot, A.-M.
Title *Arthrobacter psychrophenicus* sp. nov., isolated from an
alpine ice cave. Journal Int. J. Syst. Evol. Microbiol.
Volume 54
Page(s) 2067-2072
Year 2004

Genus: *Arthrobacter* **FH 6504**
Species: *psychrophenicus*
Numbers in other collections: DSM 15454

Morphology:

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

Melanoid pigment: - - - -

NaCl resistance: %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 28 °C

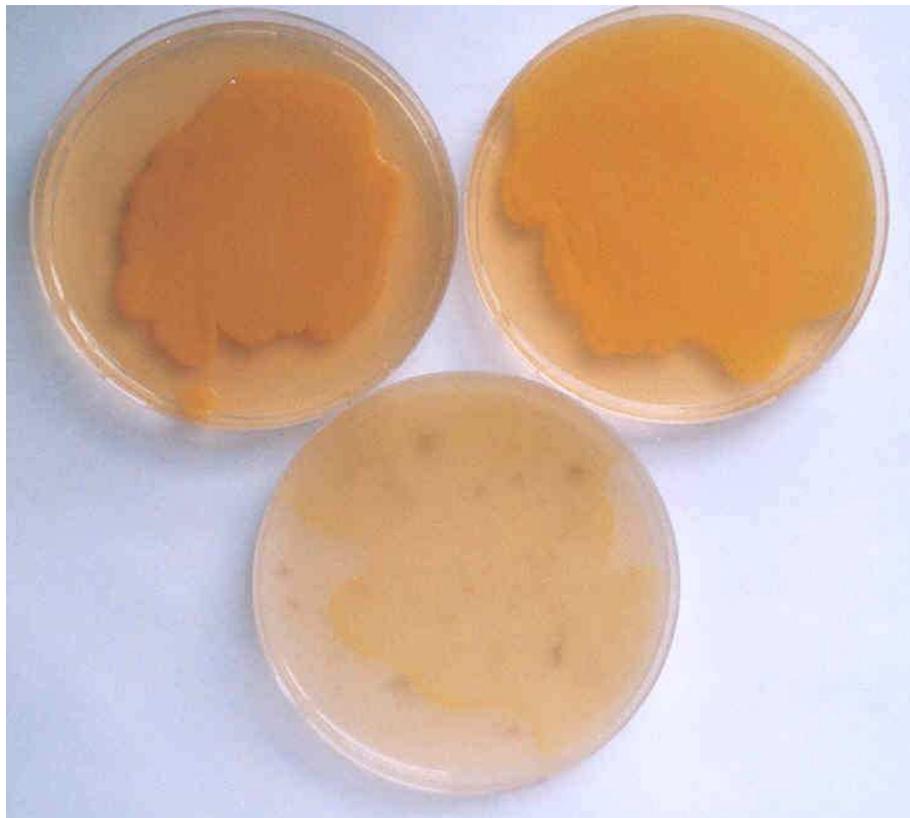
Carbon utilization:

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

Enzymes:

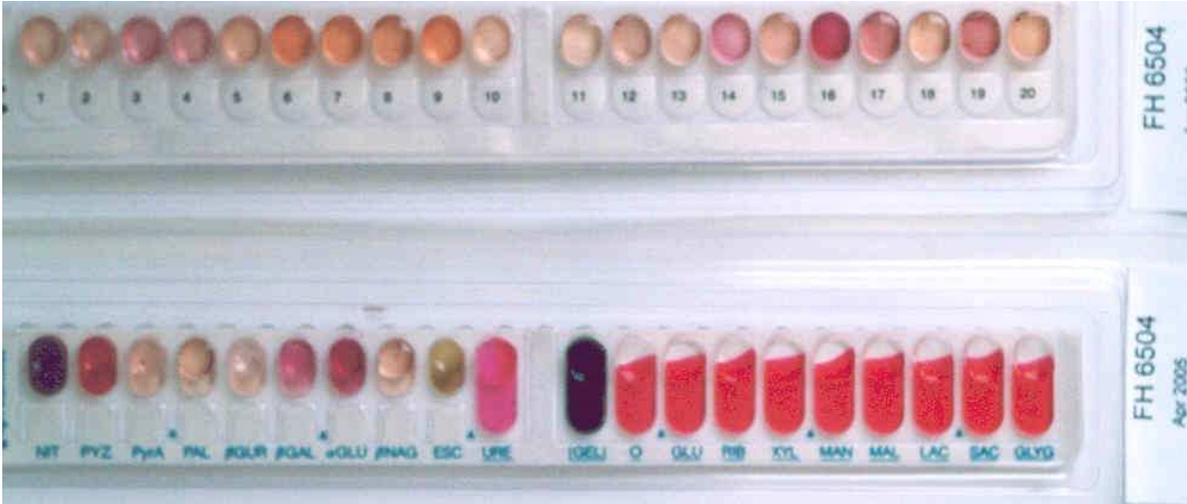
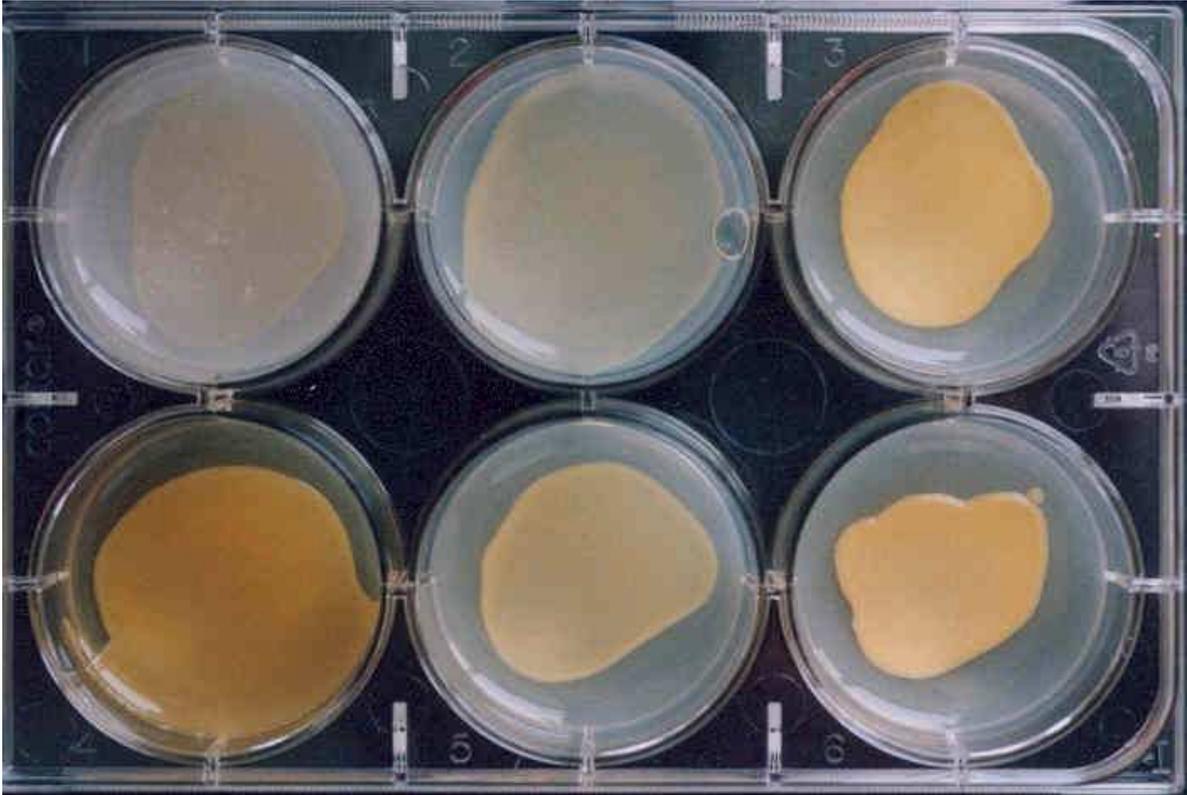
2 -	3 +	4 +	5 -	6 +	7 +	8 +	9 +	10 -	11 -	
12 -	13 -	14 +	15 -	16 +	17 +	18 -	19 +	20 -		
Nit	Pyz	Pyr	Pal	βGur	βGal	αGlu	βNag	Esc	Ure	Gel
+	+	-	-	-	+	+	-	(+)	+	+

Comments:



Arthrobacter psychrophenicus

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



Arthrobacter psychrophenicus

- C – Microplate with ISP- and melanin media
- D – Api Zym (upper) and Api Corye

