

Genus *Arthrobacter*
Species *kerquelensis*
Subspecies

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

Type species DSM 15797, JCM 12165

Hazard group 1

Author(s) Gupta, P., Reddy, G. S. N., Delille, D., Shivaji, S.
Title *Arthrobacter gangotriensis* sp. nov. and *Arthrobacter kerquelensis* sp. nov. from Antarctica.
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Volume 54
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Year 2004

Genus: *Arthrobacter*

FH 6506

Species: *kerguelensis*

Numbers in other collections: DSM 15797

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

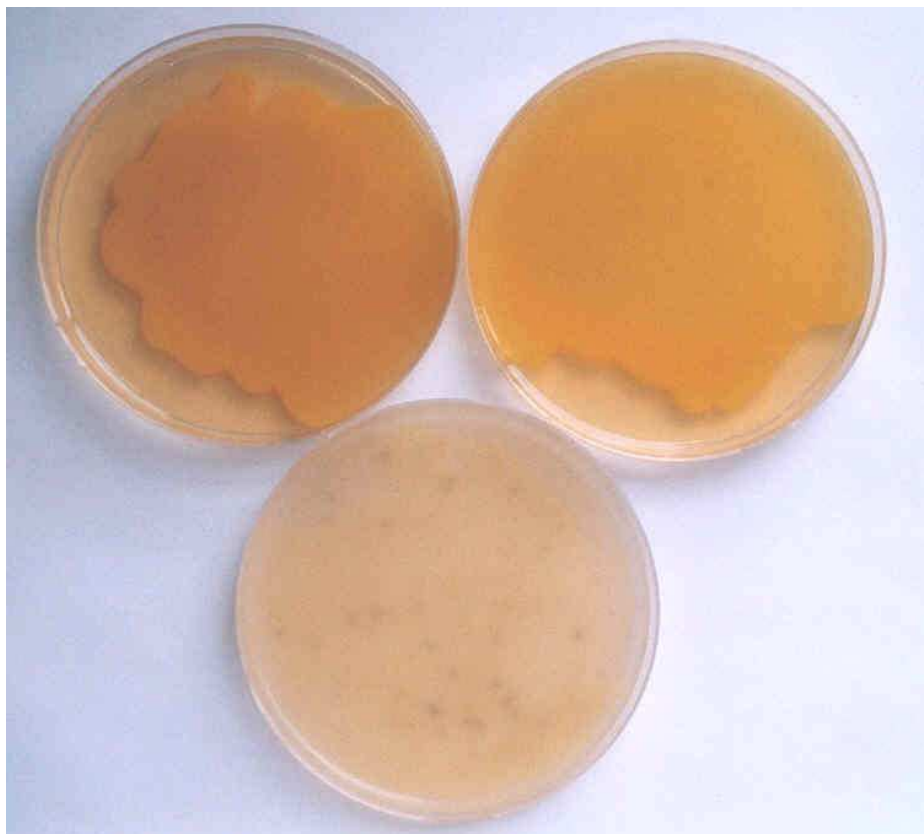
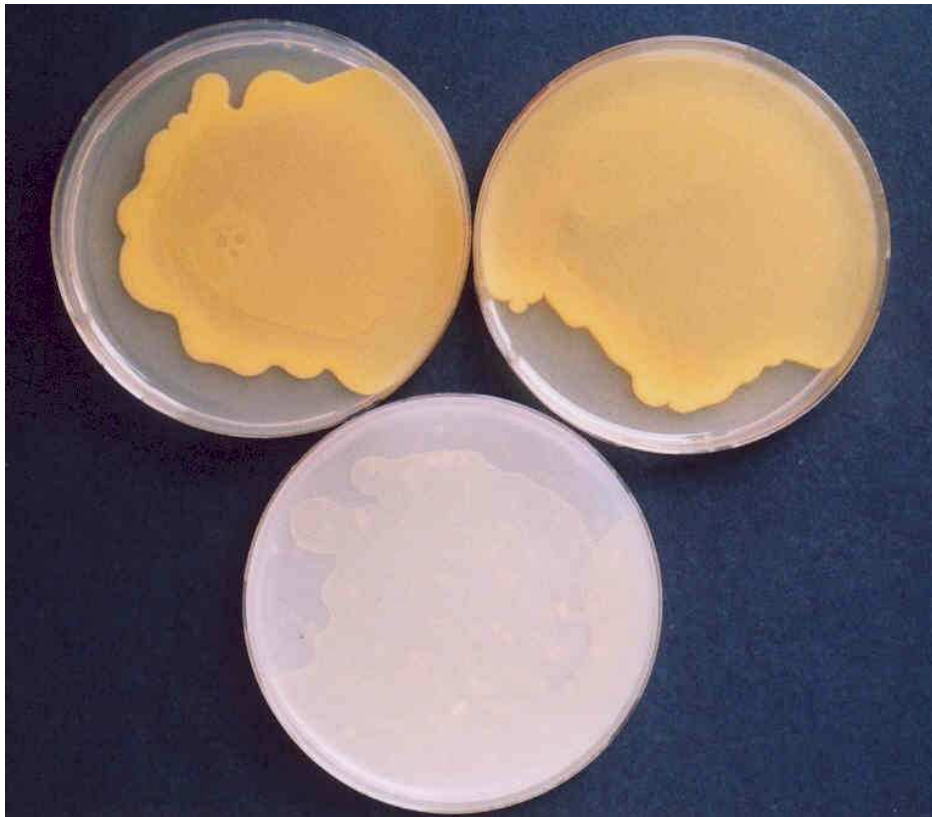
Carbon utilization:

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 kerguelensis

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



Arthrobacter kerguelensis

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