

Genus	<b><i>Arthrobacter</i></b>
Species	<b><i>nicotinovorans</i></b>
Subspecies	
Author	Kodama et al. 1992
Reclassification	
Status	sp. nov.
Type species	DSM 420, ATCC 49919, JCM 3874
Hazard group	1

#### Fatty acid pattern

14 : 0	Iso	2,0
14 : 0		1,0
15 : 0	Iso	9,0
15 : 0	Anteiso	44,0
16 : 0	Iso	12,0
16 : 0		3,0
17 : 0	Iso	2,0
17 : 0	Anteiso	19,0
18 : 0		3,0
19 : 0	Iso	1,0
19 : 0	Anteiso	2,3
20 : 0		1,5

**Genus:** *Arthrobacter*

FH 2756

**Species:** *nicotinovorans*

**Numbers in other collections:** DSM 420

**Morphology:**

<u>ISP 2</u>	G	R
	good	light ivory
	A	SP
<u>ISP 3</u>	none	none
	G	R
	good	zinc yellow
<u>ISP 4</u>	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	ivory
	A	SP
	none	none
<u>ISP 6</u>	G	R
	good	colorless
	A	SP
<u>ISP 7</u>	none	none
	G	R
	good	golden yellow
<u>ISP 7</u>	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	sand yellow
	A	SP
	none	none

**NaCl resistance:** 5.0%

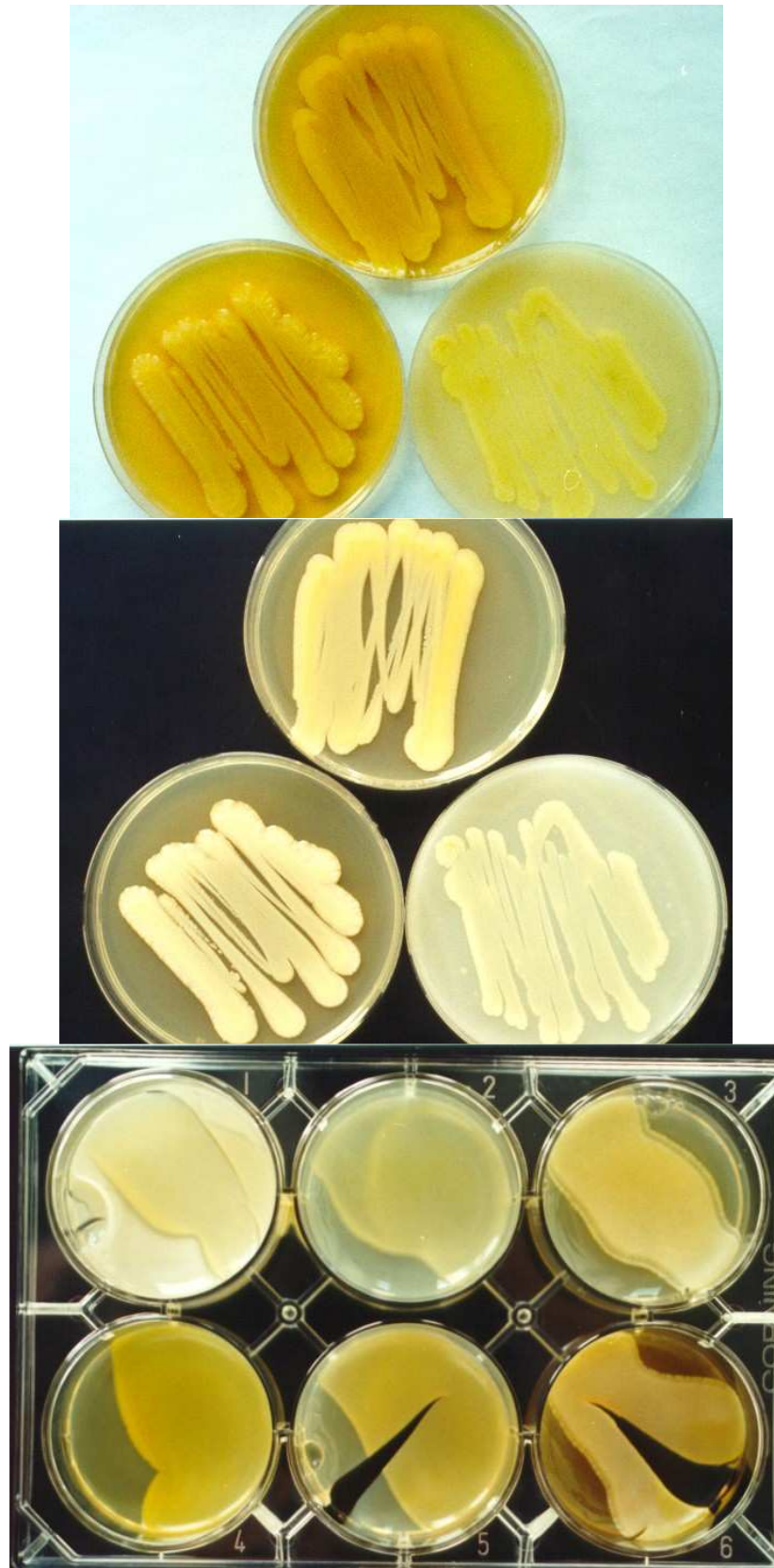
**Temperature:** Value- °C Optimum- 28°C

**Carbon utilization:**

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

**Enzymes:**

Api 20E	Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S	
+	+	+	-	+	-	-	-	-	v	-	-	
ApiZym	2	3	4	5	6	7	8	9	10	11	12	
+	+	+	-	+	+	+	+	+	-	+	+	
	13	14	15	16	17	18	19	20				
	+	+	-	+	+	+	+	+				
ApiCoryne		Nit	Pyz	Pyr	Pal	βGur	βGal	αGlu	βNag	Esc	Ure	Gel
+	+	+	-	+	+	+	+	+	-	+	+	
	Glu	Rib	Xyl	Man	Mal	Lac	Sac	Glyg				
	+	+	-	+	+	+	+	+				



***Arthrobacter nicotinovorans***

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

C – Microplate with ISP- and melanin media