

Genus *Arthrobacter*  
Species *polychromogenes*  
Subspecies  
Author Schippers-Lammertse et al. 1963

Reclassification  
Status valid

Type species ATCC 15216, DSM 20136, IMET 11071, NCIB 10267

Hazard group 1

Author(s) Schippers-Lammertse, A. F., Muijsers, A. O., Klatser-Odedkerk, K. B.  
Title *Arthrobacter polychromogenes* nov. spec., its pigments, and a bacteriophage of this species.  
Journal Antonie Leeuwenhoek  
Volume 29  
Page(s) 1-15  
Year 1963

#### Fatty acid pattern

14 : 0	Iso	1,0
14 : 0		1,0
15 : 0	Iso	10,0
15 : 0	Anteiso	32,0
16 : 1	Iso H	1,0
16 : 0	Iso	6,0
16 : 0		10,0
17 : 1	Anteiso	4,0
17 : 0	Iso	5,0
17 : 0	Anteiso	18,0
18 : 0		1,0

**Genus:** *Arthrobacter*

FH 2771

**Species:** *polychromogenes*

**Numbers in other collections:** DSM 20136

**Morphology:**

<u>ISP 2</u>	G	R
	good	concrete grey
	A	SP
<u>ISP 3</u>	none	none
	G	R
	good	pebble grey
<u>ISP 4</u>	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	state grey
	A	SP
	none	none
<u>ISP 6</u>	G	R
	good	light ivory
	A	SP
<u>ISP 7</u>	none	none
	G	R
	good	sand yellow
	A	SP
	none	none
	G	R
	good	olive grey
	A	SP
	none	none

**NaCl resistance:** 7.5%

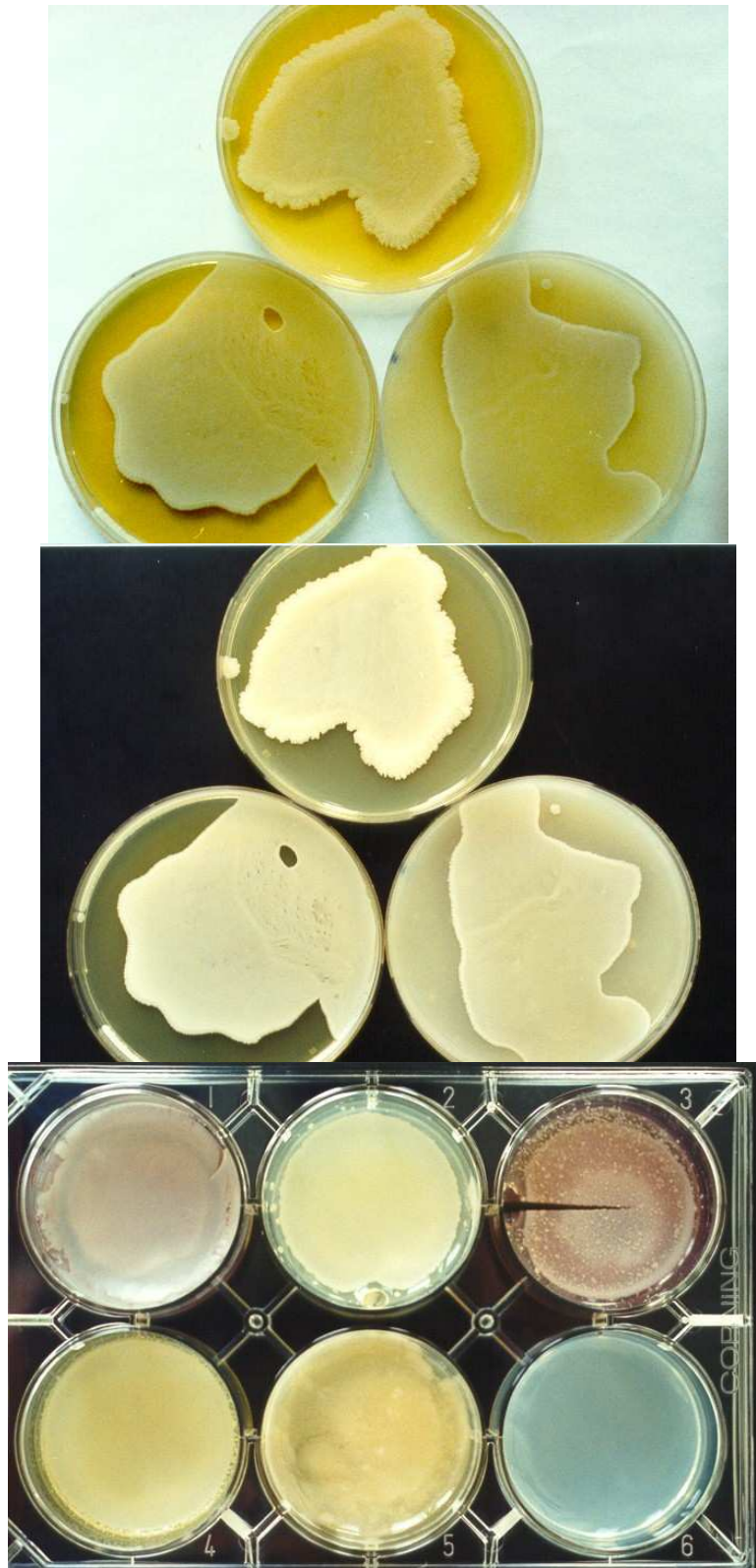
**Temperature:** Value- °C Optimum- 28°C

**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 polychromogenes***

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

C – Microplate with ISP- and melanin media