

Name: ***Arthrobacter globiformis***

Authors: (Conn 1928) Conn and Dimmick 1947

Status: Approved Lists

Reference(s): Int. J. Syst. Bacteriol. 30:253 (AL)

Risk group: 1 (German classification)

Type strain: ATCC 8010, DSM 20124, IMET 11240,
NCIB 8907

Genus: *Arthrobacter*

FH 6191

Species: *globiformis*

Numbers in other collections: DSM 20124

Reclassification:

Morphology:

	G	R
<u>ISP 2</u>	good	ochre yellow
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	colorless
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	colorless
	A	SP
	none	none
	G	R
<u>ISP 5</u>	sparse	colorless
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	colorless
	A	SP
	none	none
	G	R
<u>ISP 7</u>	sparse	colorless
	A	SP
	none	beige

Melanoid pigment: - - - -

NaCl resistance: %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 28°C

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	αGlu	βNag	Esc	Ure	Gel
-	-	-	-	-	-	+	-	+	+	-
Glu	Rib	Xyl	Man	Mal	Lac	Sac	Glyg			
-	-	-	-	-	-	-	-			

Comments: good growth on medium 5006



Arthrobacter globiformis

A – Agar plates media 5006, 5265 and 5315

B – Microplate with ISP- and melanin media

C – Api Zym (upper) and Api Coryne