

Name: ***Aeromicrobium erythreum***

Authors: Miller et al. 1991

Status: New Species

Literature: Int. J. Syst. Bacteriol. 41:367

Risk group: 1 (German classification)

Type strain: DSM 8599, NRRL B-3381

Lit.: Miller, E.S., C. R. Woese and S. Brenner. 1991.

Description of the Erythromycin-Producing Bacterium *Arthrobacter* sp. Strain NRRL B-3381 as *Aeromicrobium erythreum* gen. nov., sp. nov.

Int. J. Syst. Bacteriol. 41: 363-368

Genus: *Aeromicrobium*

FH 6075

Species: *erythreum*

Numbers in other collections: **DSM 8599**

Morphology:

	G	R
<u>ISP 2</u>	good	saffron yellow
	A	SP
	none	none
	G	R
<u>5006</u>	good	saffron yellow
	A	SP
	none	none
	G	R
<u>5425</u>	good	saffron yellow
	A	SP
	none	none
	G	R
<u>5428</u>	good	saffron yellow
	A	SP
	none	none
	G	R
<u>5530</u>	good	saffron yellow
	A	SP
	none	none

Spore chains:

Spore surface:

Sporangia:

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance:

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 37°C

Carbon utilization:

Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
					nd.				

Enzymes:

Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
+	+	+	+	-	-	+	+	-	-	-
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
-	-	-	+	-	-	+	-	+	+	+
Glu	Rib	Xyl	Man	Mal	Lac	Sac	Glyg			
-	-	-	-	-	-	-	-			

Comments:



Aeromicrobium erythreum

A and B – Agar plates medium 5006, 5265, 5425, 5428 and 5530

