

Name: *Pseudonocardia antactica*

Authors: Prabahar et al. 2004

Status: New Species

Literature: Int. J. Syst. Evol. Microbiol. 54:1005

Risk group: 1 (German classification)

Type strain: DSM 44749, MTCC-4297

Author(s) Prabahar, V., Dube, S., Reddy, G. S. N., Shivaji, S.
Title *Pseudonocardia antarctica* sp. nov. an *Actinomyces* from
McMurdo Dry Valleys, Antarctica.
Journal Syst. Appl. Microbiol.
Volume 27
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Year 2004

Genus: *Pseudonocardia* **FH 6466**
Species: *antarctica*
Numbers in other collections: DSM 44749

Morphology:

	G	R
<u>ISP 2</u>	good	copper brown
	A	SP
	cream	none
	G	R
<u>ISP 3</u>	good	white
	A	SP
	Cream	none
	G	R
<u>ISP 4</u>	sparse	
	A	SP
	G	R
<u>ISP 5</u>	sparse	
	A	SP
	G	R
<u>ISP 6</u>	good	pale orange
	A	SP
	Cream	none
<u>ISP 7</u>	G	R
	good	copper brown
	A	SP
	ivory	copper brown

Melanoid pigment: - - + -

NaCl resistance:

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 28 °C

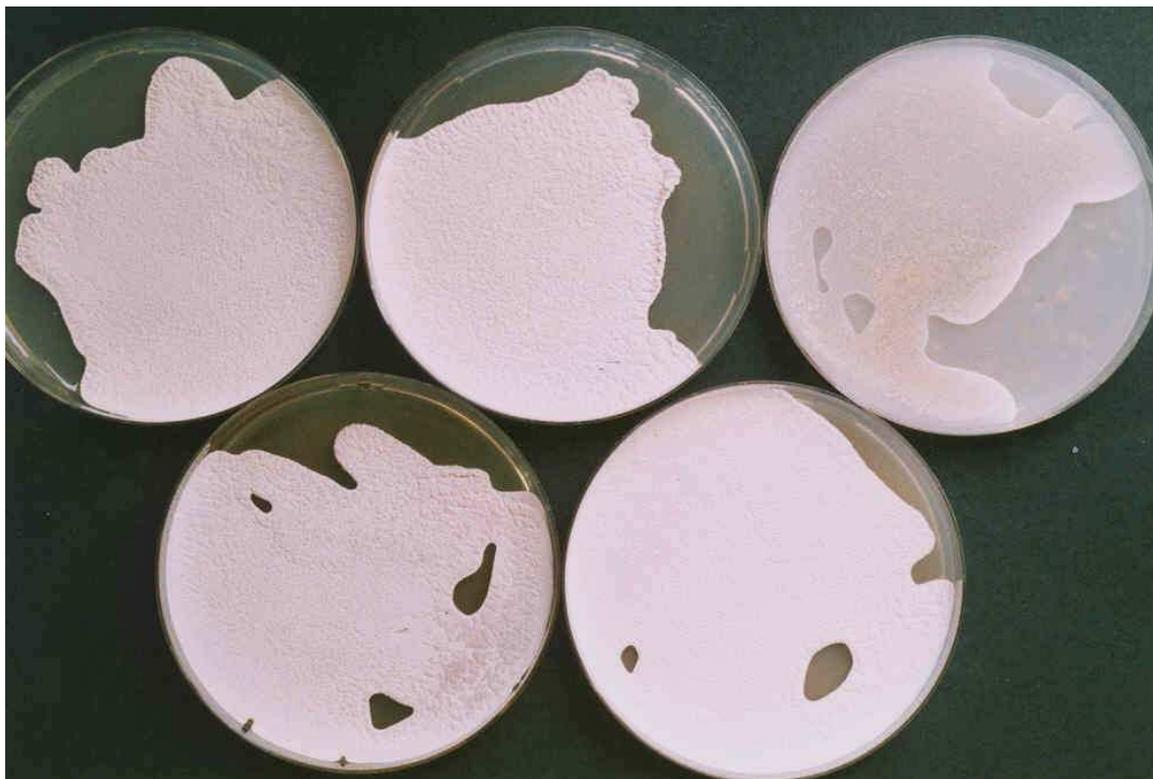
Carbon utilization:

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

Enzymes: Api Zym and Coryne

2 +	3 +	4 +	5 -	6 +	7 +	8 +	9 -	10 -	11 +
12 -	13 -	14 +	15 -	16 +	17 +	18 -	19 -	20 -	

Comments: Good growth and white aerial mycelium on media 5429 and 5472



Pseudonocardia antarctica

A and B – Agar plates medium 5006, 5265, 5315, 5429 and 5475



Pseudonocardia antarctica

C and D – Microplate with ISP- and melanin media



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E – Microplate for carbohydrate utilization