

Name: *Nocardia neocaledoniensis*

Authors: Saintpierre-Bonaccio et al. 2004

Status: New Species

Reference: Int. J. Syst. Evol. Microbiol. 54:602*

Risk group: 1 (German classification)

Type strain: DSM 44717, NCIMB 13955

Author(s) Saintpierre-Bonaccio, D., Maldonado, L. A., Amir, H., Pineau, R., Goodfellow, M.

Title *Nocardia neocaledoniensis* sp. nov., a novel actinomycete isolated from a New-Caledonian brown hypermagnesian ultramafic soil.

Journal Int. J. Syst. Evol. Microbiol.

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Page(s) 599-603

Year 2004

Genus: *Nocardia* **FH 6444**
Species: *neocaledoniensis*
Numbers in other collections: **DSM 44704**

Morphology:

	G	R
<u>ISP 2</u>	good	pastel yellow
	A	SP
	white	none
	G	R
<u>ISP 3</u>	sparse	beige
	A	SP
	-	-
	G	R
<u>ISP 4</u>	sparse	-
	A	SP
	-	-
	G	R
<u>ISP 5</u>	good	ivory
	A	SP
	ivory	none
	G	R
<u>ISP 6</u>	good	beige
	A	SP
	none	none
<u>ISP 7</u>	G	R
	good	tomato red
	A	SP
	beige	tomato red

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:

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
+	+	-	+	-	-	+	-	+	+	-

Comments: Pastel yellow on medium 5429 and beige on 5475



Nocardia neocaledoniensis

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



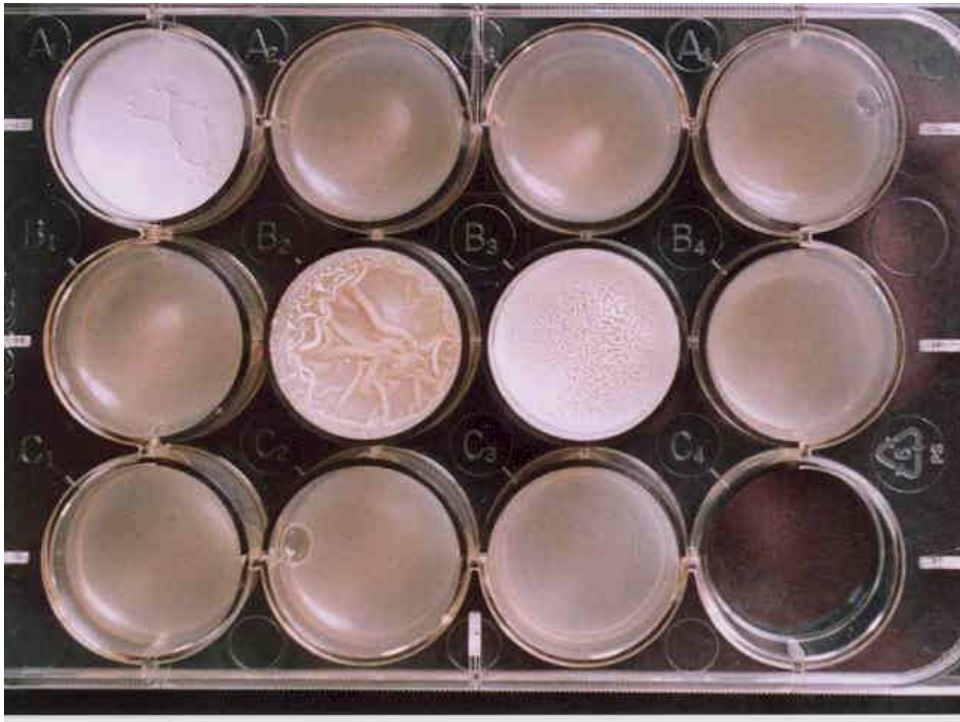
Nocardia neocaledoniensis

C and D – Agar plates medium 5429 and 5475



Nocardia neocaledoniensis

E - G – Microplate with ISP- and melanin media (G reverse)



Nocardia neocaledoniensis

H – Microplate for carbohydrate utilization

I – Api Zym (upper) and Coryne