

Name: ***Nocardia concava***

Authors: Kageyama et al. 2005

Status: New Species

Reference: Int. J. Syst. Evol. Microbiol. 55:2083

Risk group: 2 (German classification)

Type strain: DSM 44804, IFM 0354, JCM 12351, NBRC 100430

Author: Kageyama, A., Yazawa, K., Taniguchi, H., Chibana, H.,
Nishimura, K., Kroppenstedt, R. M., Mikami, Y.

Title: *Nocardia concava* sp. nov., isolated from Japanese patients.

Journal: Int. J. Syst. Evol. Microbiol.

Volume: 55

Page: 2081-2083

Year: 2005



Nocardia concava
Api Zym (upper) and Coryne

Genus: *Nocardia* **FH 6600**

Species: *concava*

Numbers in other collections: DSM 44804

Morphology:

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

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
-	+	+	+	-	-	+	-	-	+	+
Glu	Rib	Xyl	Man	Mal	Lac	Sac	Glyg			

Comments: good growth on medium 5006 (lemon yellow)



Nocardia concava

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



Nocardia concava

C – Microplate with ISP- and melanin media

D – Microplate for carbon utilization