

Name: ***Amycolatopsis nigrescens***

Authors: Groth et al. 2007

Status: New Species

Reference: Int. J. Syst. Evol. Microbiol. 57:517

Risk group: 1 (German classification)

Type strain: CSC17Ta-90, DSM 44992, HKI 0330,
NRRL B-24473

Author: Groth, I., Tan, G. Y. A., González, J. M., Laiz, L.,
Carlsohn, M. R., Schütze, B., Wink, J., Goodfellow, M.

Title: *Amycolatopsis nigrescens* sp. nov., an actinomycete isolated
from a Roman catacomb.

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

Volume: 57

Page: 513-519

Year: 2007

Genus: *Amycolatopsis*

FH 6561

Species: *nigrescens*

Numbers in other collections: DSM 44992

Morphology:

	G	R
<u>ISP 2</u>	good	graphite black
	A	SP
	none	chestnut brown
	G	R
<u>ISP 3</u>	good	chocolate brown
	A	SP
	none	signal brown
	G	R
<u>ISP 4</u>	good	chocolate brown
	A	SP
	none	chestnut brown
	G	R
<u>ISP 5</u>	good	chocolate brown
	A	SP
	none	signal brown
	G	R
<u>ISP 6</u>	good	beige brown
	A	SP
	none	beige brown
<u>ISP 7</u>	G	R
	good	chocolate brown
	A	SP
	none	signal 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:

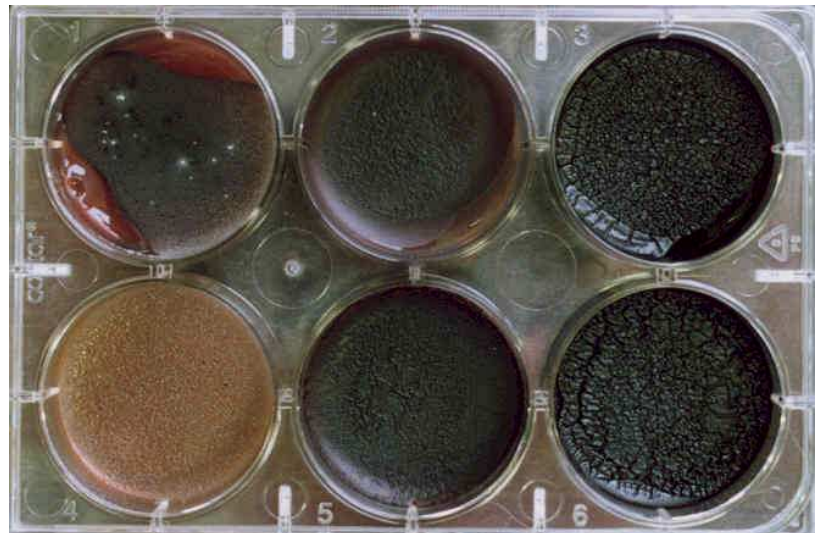
2+	3+	4+	5+	6+	7+	8-	9+	10+	11+
12-	13+	14+	15-	16+	17+	18+	19-	20-	

Comments:



Amycolatopsis nigrescens

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



Amycolatopsis nigrescens

C and D – Microplate with ISP- and melanin media



Amycolatopsis nigrescens

E and F – Microplate for use of carbo hydrates