

Name: ***Micromonospora auratinigra***

Authors: Thawai et al. 2004

Status: New species

Literature: Int. J. Syst. Evol. Microbiol. 54:1425

Risk group: 1 (German classification)

Type strain: DSM 44815, JCM 12357

Author(s) Thawai, Ch., Tanasupawat, S., Itoh, T., Suwanborirux, K.,
Kudo, T.

Title *Micromonospora aurantionigra* sp.nov., isolated from a peat
swamp forest in Thailand.

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Genus: *Micromonospora* **FH 6489**
Species: *auratinigra*
Numbers in other collections: **DSM 44815**

Morphology:

	G	R
<u>ISP 2</u>	good	deep orange to black brown
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	deep orange
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	deep orange
	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	brown orange
	A	SP
	none	none
	G	R
<u>ISP 6</u>	sparse	honey yellow
	A	SP
	none	honey yellow
	G	R
<u>ISP 7</u>	good	black brown
	A	SP
	none	none

Melanoid pigment: - - - -

NaCl resistance: %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 28 °C

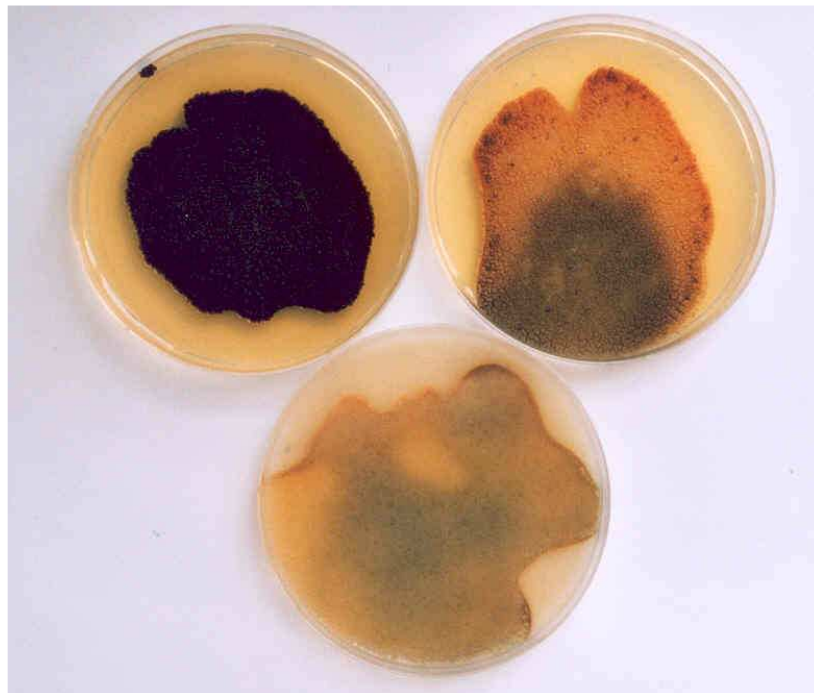
Carbon utilization:

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

Enzymes: Api Zym

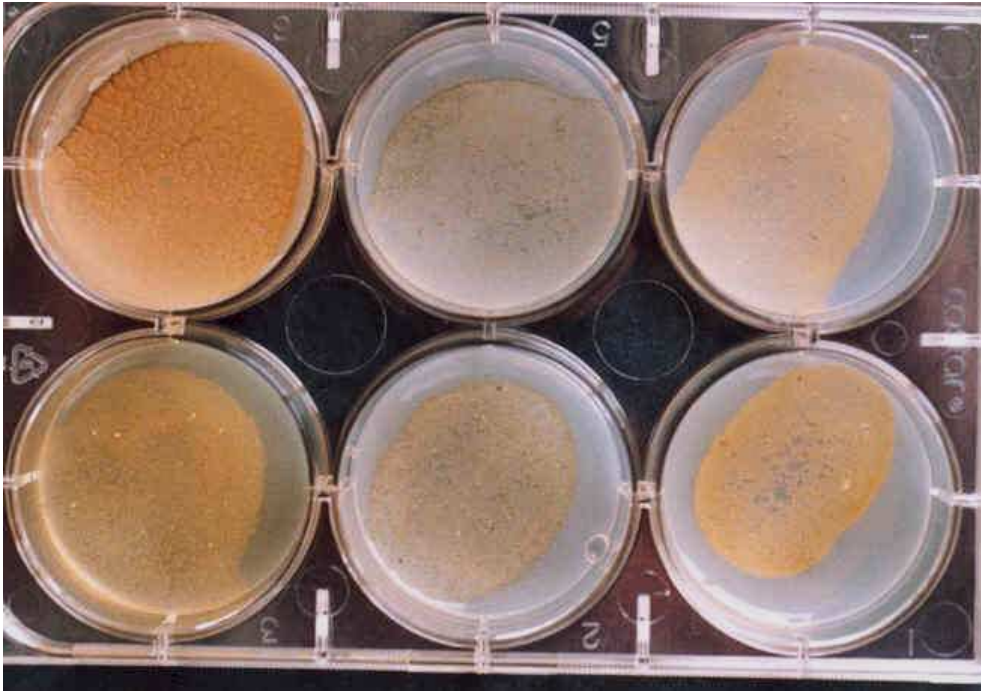
2 +	3 +	4 +	5 -	6 +	7 +	8 +	9 +	10 +	11 +
12 +	13 +	14 +	15 -	16 +	17 +	18 +	19 -	20 -	

Comments:



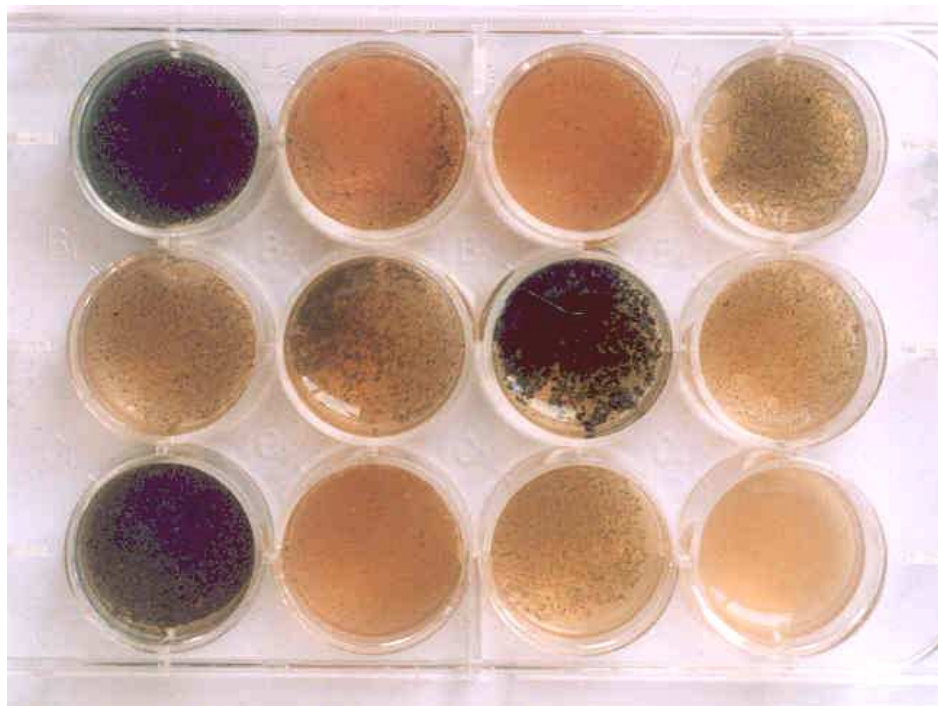
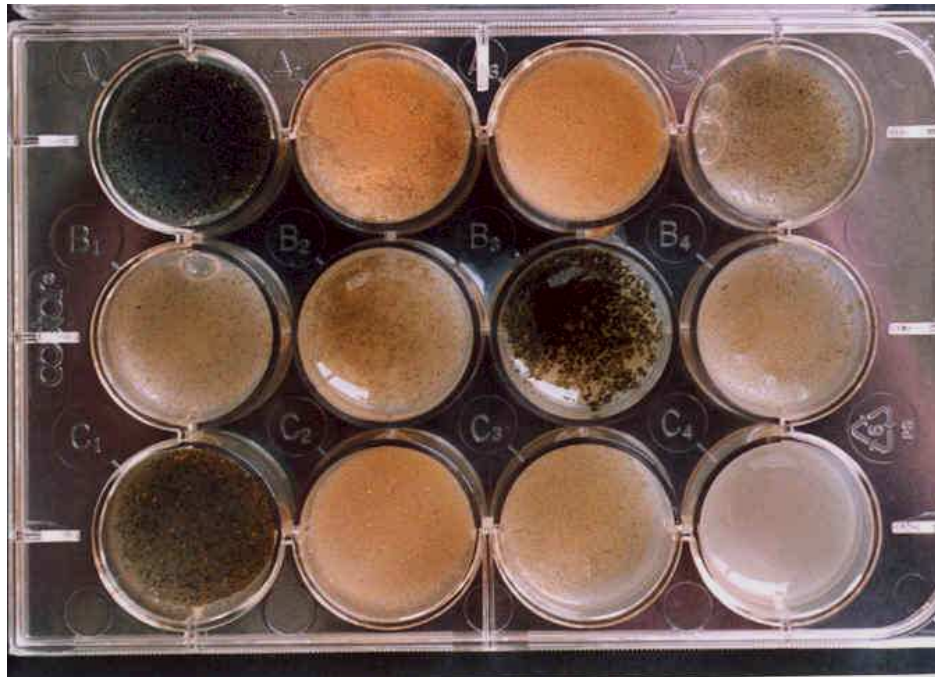
Micromonospora auratinigra

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



Micromonospora auriginosa

C and D – Microplate with ISP- and melanin media



Micromonospora auratinigra
E and F – Microplate for carbon utilization