

Name: *Kutzneria kofuensis*
Authors: (Nonomura and Ohara 1969)
Stackebrandt et al. 1994
Status: New Combination
Literature: Int. J. Syst. Bacteriol. 44:268
Risk group: 1 (German classification)
Type strain: ATCC 27102, DSM 43851
Synonyms: *Streptosporangium viridogriseum* subsp.
kofuense (basonym)

Stackebrandt E., R. M. Kroppenstedt, K.-D. Jahnke, C. Kemmerling and H. Gürtler. 1994.

Transfer of *Streptosporangium viridogriseum* (Okuda et al. 1966), *Streptosporangium viridogriseum* subsp. *kofuense* (Nonmura and Ohara 1969), and *Streptosporangium albidum* (Furumaj et al. 1968) to *Kutzneria* gen. nov., as *Kutzneria viridogrisea* comb. nov., *Kutzneria kofuensis* comb. nov. and *Kutzneria albida* comb. nov., respectively, and emendation of the genus *Streptosporangium*.
Int. J. Syst. Bacteriol. 44: 265-269

Fatty acid pattern:

15 : 0	Iso	2,0
15 : 0		1,5
16 : 0	Iso	29,0
16 : 0	Anteiso	1,0
16 : 1	Cis 9	4,0
16 : 0		5,5
16 : 0	10 methyl	8,0
17 : 0	Iso	7,5
17 : 0	Anteiso	10,0
17 : 1	Cis 9	3,5
16 : 0	Iso 2 OH	6,5
17 : 0		3,5
17 : 0	10 methyl	7,0
18 : 0	Iso	1,5
18 : 1	Cis 9	1,5
18 : 0		6,0

Genus: *Kutzneria*

FH 2845

Species: *kofuensis*

Numbers in other collections: DSM 43851

Morphology:

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

Spore chains: -

Spore surface:

Sporangia: -

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance: 0 %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum-

Carbon utilization:

Glu Ara Suc Xyl Ino Man Fru Rha Raf Cel

Enzymes:

Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
+	+	+	-	+	-	-	-	+	-	-
2+	3+	4+	5(+)	6+	7+	8+	9+	10+	11+	
12+	13+	14+	15-	16+	17+	18+	19+	20+		

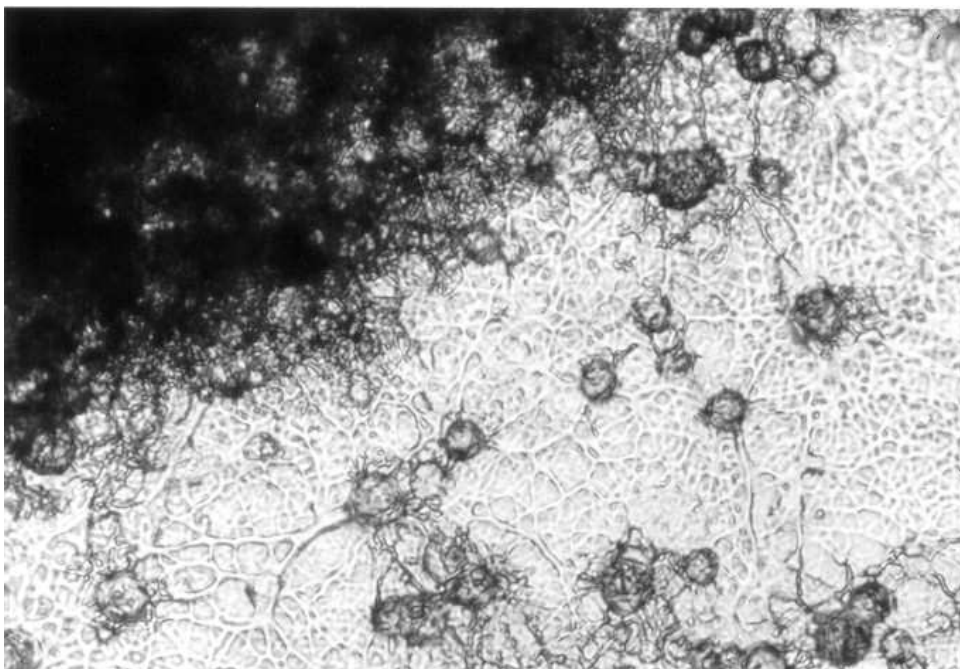
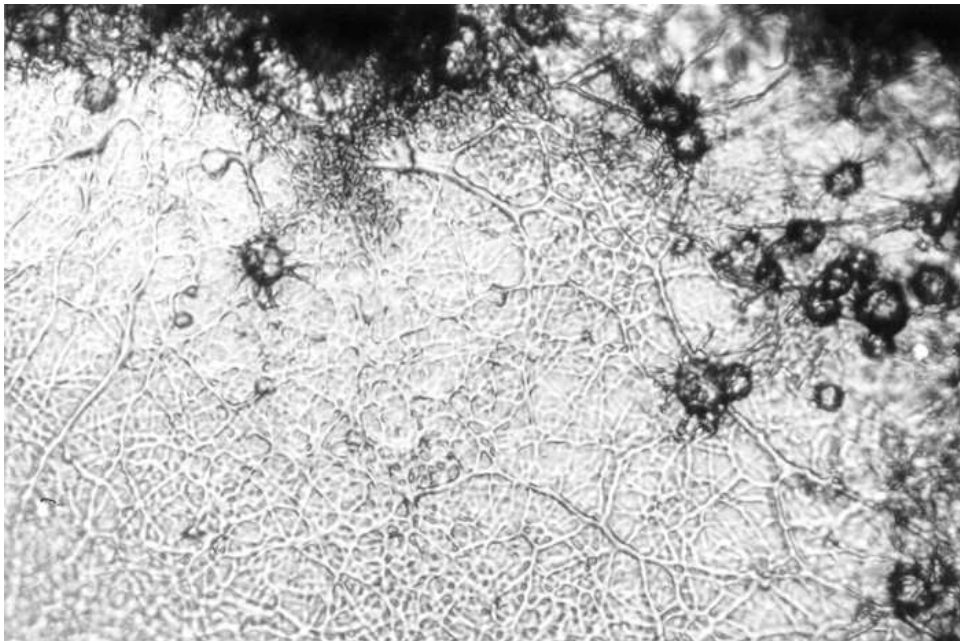
Comments:



Kutzneria kofuensis

A – Agar plates medium 5006, 5265 and 5315

B – Microplate with ISP- and melanin media



Kutzneria kofuensis

D and E – Sporangia in LM (x 250)