

Name: *Streptomyces africanus*

Authors : Meyers et al. 2004

Status : New Species

Reference(s) : Int. J. Syst. Evol. Microbiol 54:1534

Risk group: 1 (German classification)

Type strain: DSM 41829, NBRC 101005, NRRL B-2414

Author(s) Meyers, P. R., Goodwin, C. M., Bennett, J. A., Aken, B. L.,
Price, C. E., Van Rooyen, J. M.

Title *Streptomyces africanus* sp. nov., a novel streptomycete with
blue aerial mycelium.

Journal Int. J. Syst. Evol. Microbiol.

Volume 54

Page(s) 1531-1535

Year 2004

Genus: *Streptomyces* **FH 6471**
Species: *africanus*
Numbers in other collections: DSM 41829

Morphology:

	G	R
<u>ISP 2</u>	good	cream
	A	SP
	azure blue	none
	G	R
<u>ISP 3</u>	good	cream
	A	SP
	azure blue	none
	G	R
<u>ISP 4</u>	good	cream
	A	SP
	azure blue	none
	G	R
<u>ISP 5</u>	sparse	cream
	A	SP
	white	none
	G	R
<u>ISP 6</u>	sparse	beige
	A	SP
	none	none
<u>ISP 7</u>	G	R
	sparse	beige
	A	SP
	none	none

Melanoid pigment: - - - -

NaCl resistance:

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 28 °C

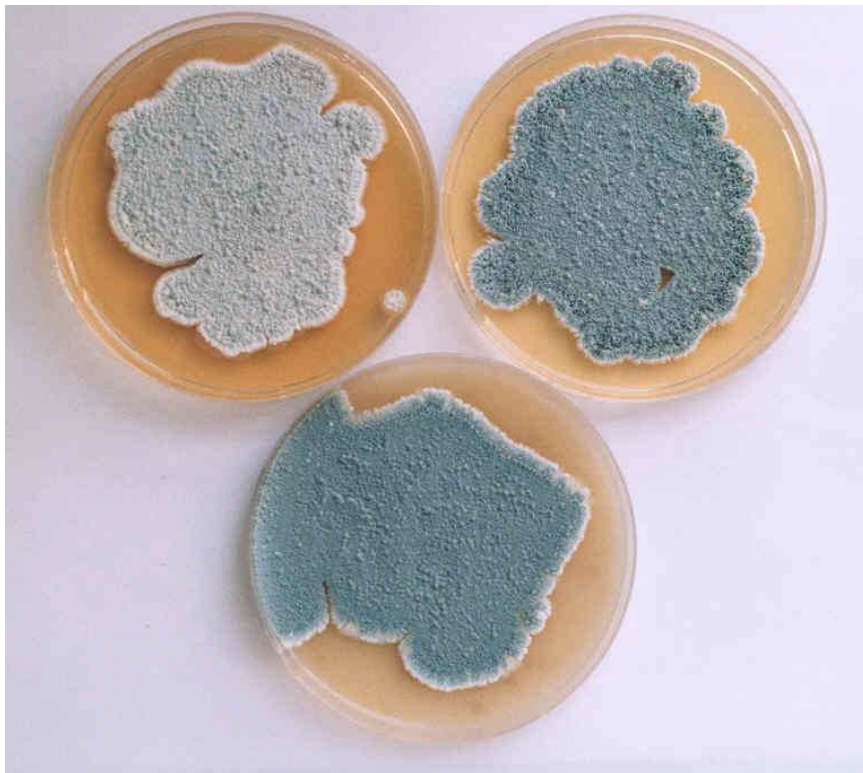
Carbon utilization:

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

Enzymes: Api Zym and Coryne

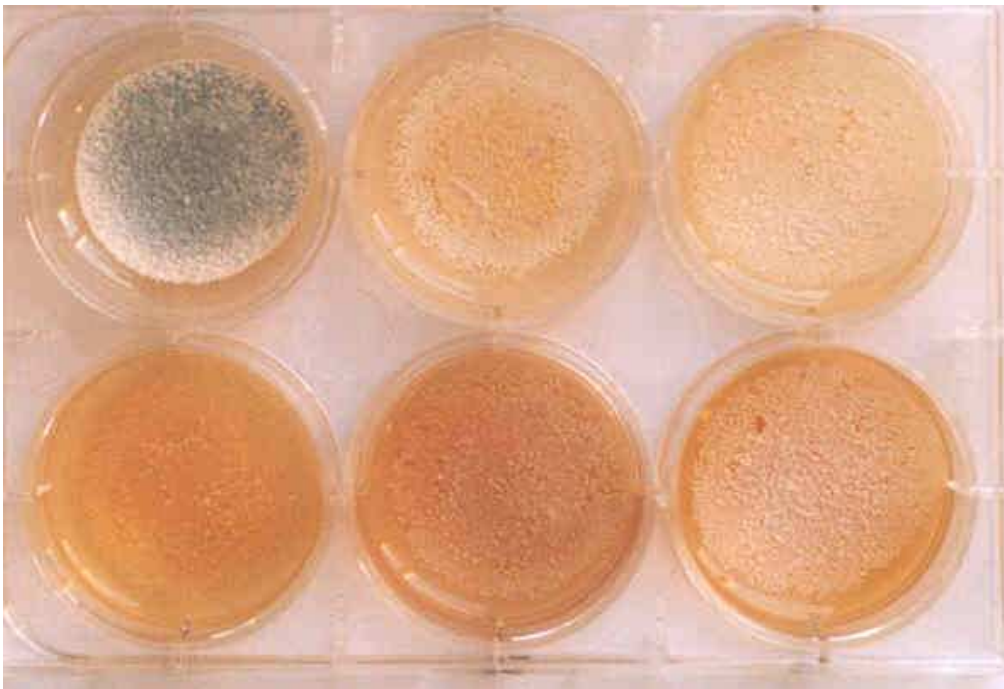
2 +	3 (+)	4 +	5 +	6 +	7 +	8 -	9 +	10 +	11 +
12 +	13 +	14 +	15 -	16 +	17 +	18 -	19 -	20 -	

Comments:



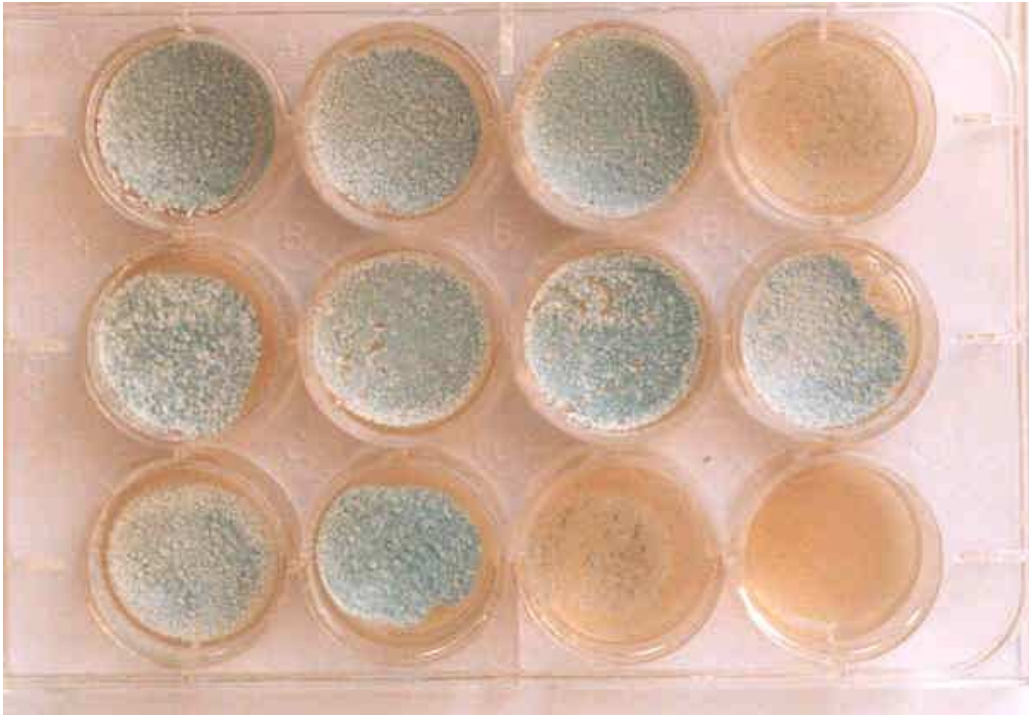
Sterptomyces africanus

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



Streptomyces africanus

C and D – Microplate with ISP- and melanin media



Streptomyces africanus

E – Microplate for carbon utilization