

Name: ***Streptomyces griseocarneus***

Authors: (Benedict et al. 1950) Witt and Stackebrandt 1991

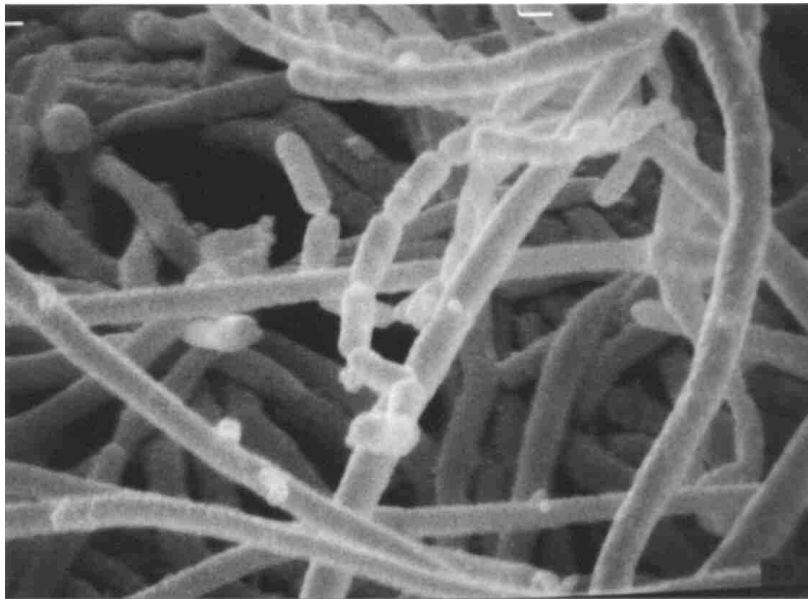
Status: New Combination

Reference(s): Int. J. Syst. Bacteriol. 41:456 (validation list)

Risk group: 1 (German classification)

Type strain: ATCC 12628, NRRL B-1068, DSM 40004

Other names: *Streptoverticillium griseocarneum* (basonym)  
*Streptomyces septatus* (heterotypic synonym)  
*Streptomyces alboverticillatus* (heterotypic synonym)



***Streptomyces griseocarneus***

A – Smooth spores in SEM (x 7.500)

**Genus:** *Streptomyces*

FH 2575

**Species:** *griseocarneus*

**Numbers in other collections:** ATCC 12628

Morphology:

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

Spore chains: Ve

Spore surface: smooth

Sporangia:

Fragmentation:

**Melanoid pigment:** + - + (+)

**NaCl resistance:** 2,5 %

**Lysozyme resistance:**

**pH:** Value- Optimum-

**Temperature :** Value- Optimum- 28 °C

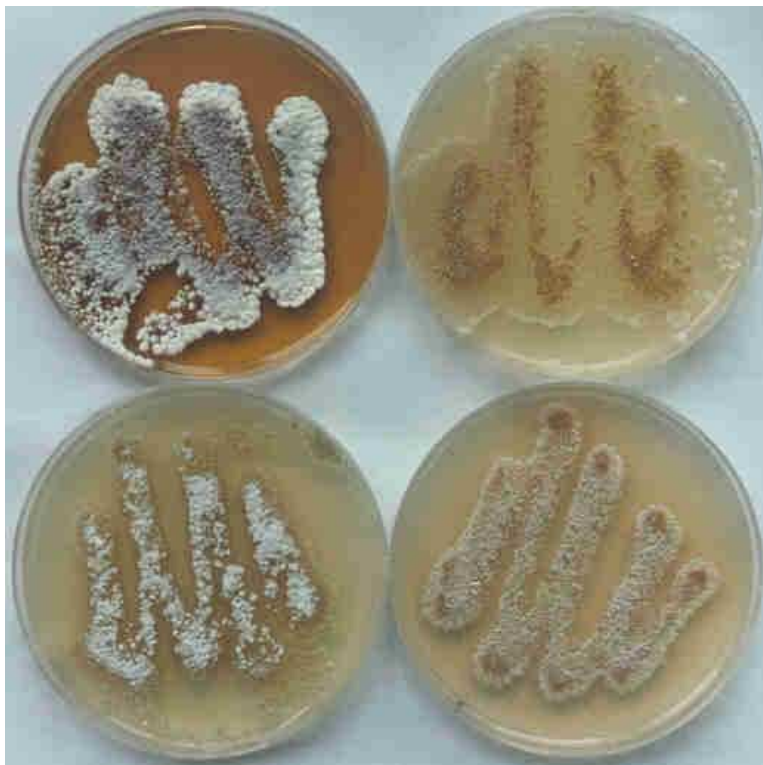
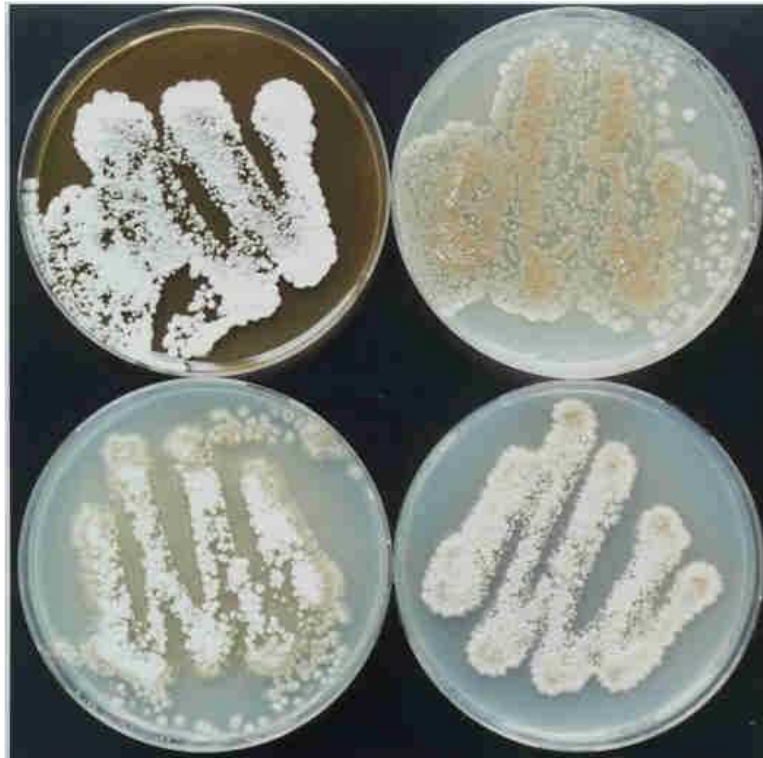
**Carbon utilization:**

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

**Enzymes:**

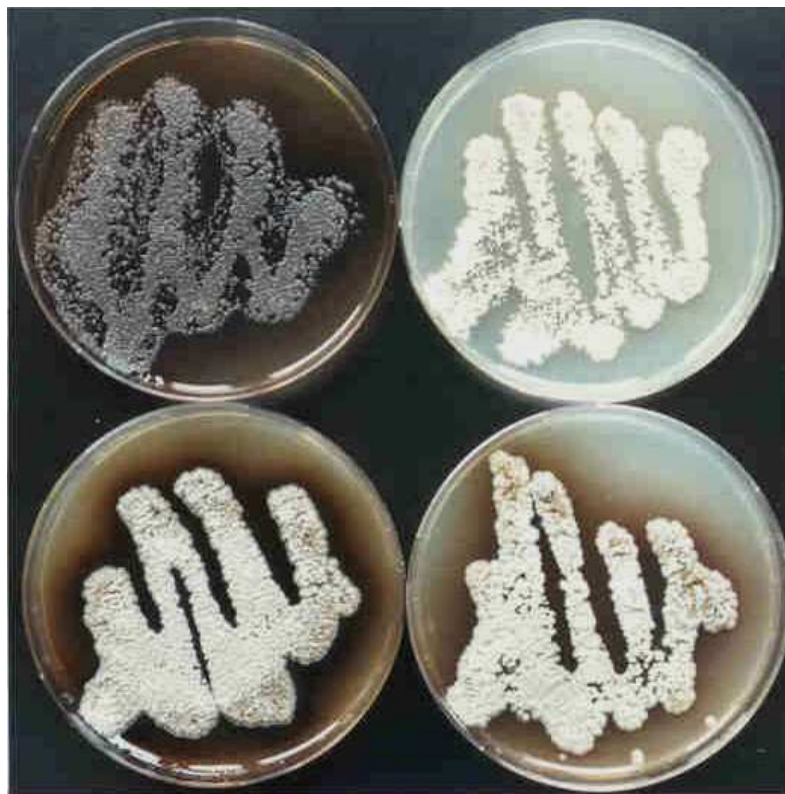
Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
+	+	-	+	+	-	+	+	-	-	-

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



***Streptomyces griseocarneus***

B and C – Agar plates medium 5265, 5315, 5317 and 5323



***Streptomyces griseocarneus***

D and E – Agar plates medium 5318, 5322, 5337 with and without tyrosine

Name: ***Streptomyces alboverticillatus***

Authors: (Locci and Schofield 1989) Witt and Stackebrandt 1991

Status: New Combination

Reference(s): Int. J. Syst. Bacteriol. 46:836 (validation list)

Risk group: 1 (German classification)

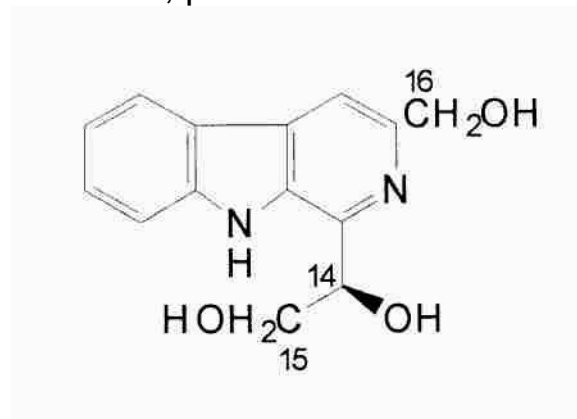
Type strain: ATCC 29818, IPV 2254, DSM 41678

Synonyms: *Streptoverticillium griseocarneum*  
*Streptomyces griseocarneus*  
*Streptomyces septatus*

Author(s)	Hatano, K., Nishii, T., Kasai, H.
Title	Taxonomic re-evaluation of whorl-forming <i>Streptomyces</i> (formerly <i>Streptoverticillium</i> ) species by using phenotypes, DNA-DNA hybridization and sequences of gyrB, and proposal of <i>Streptomyces luteireticuli</i> (ex Katoh and Arai 1957) corrig.
Journal	Int. J. Syst. Evol. Microbiol.
Volume	53
Page(s)	1519-1529
Year	2003

### Secondary metabolites from *Streptomyces alboverticillatus*

Pyridindolol, antibiotic active,  $\beta$ -Galactosidase inhibitor



**Genus:** *Streptomyces*

**FH 2893**

**Species:** *alboventicillatus*

**Numbers in other collections:** **DSM 41678**

Morphology:

	G	R
<u>ISP 2</u>	good	olive brown
	A	SP
	cream	none
	G	R
<u>ISP 3</u>	good	pale brown
	A	SP
	cream	none
	G	R
<u>ISP 4</u>	good	pale brown
	A	SP
	cream	none
	G	R
<u>ISP 5</u>	sparse	pale brown
	A	SP
	beige grey	none
	G	R
<u>ISP 6</u>	sparse	pale brown
	A	SP
	olive brown	none
	G	R
<u>ISP 7</u>	sparse	olive brown
	A	SP
	pale brown	none

Spore chains:

Spore surface:

Sporangia:

Fragmentation:

**Melanoid pigment:** . - - - -

**NaCl resistance:** 2.5 %

**Lysozyme resistance:**

**pH:** Value- Optimum-

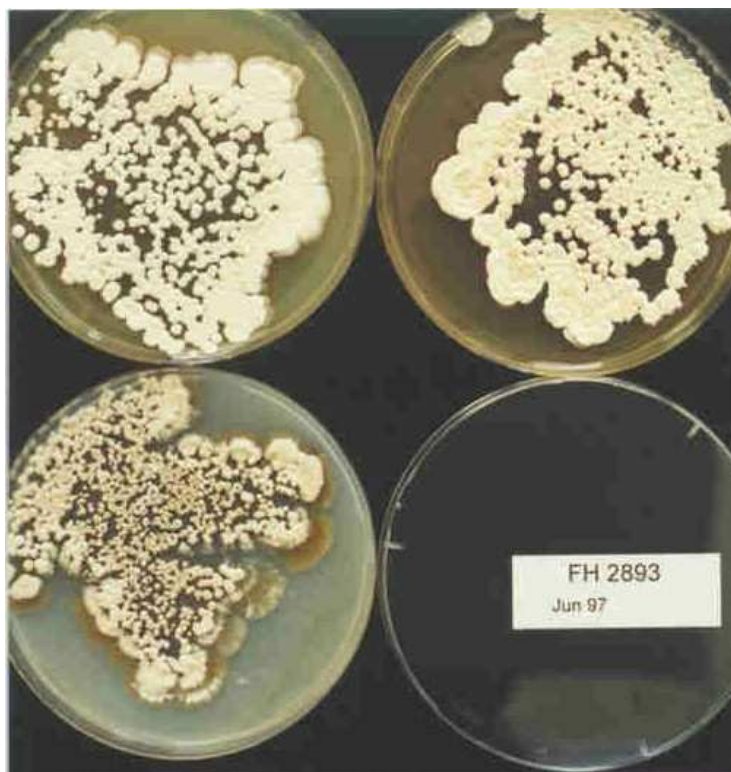
**Temperature :** Value- Optimum-

**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 -			



***Streptomyces alboverticillatus***

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



***Streptomyces alboverticillatus***  
Microplate with ISP- and melanin media