

Name: *Streptomyces speibonae*  
Authors: Meyers et al. 2003  
Status: New Species  
Reference(s): Int. J. Syst. Evol. Microbiol. 53:804  
Risk group: 1 (German classification)  
Type strain: ATCC BAA-411, CIP 108060, DSM 41797, NRRL  
B-24240

Author(s) Meyers, P. R., Porter, D. S., Omorogie, C., Pule,  
J. M., Kwetane, T.  
Title *Streptomyces speibonae* sp. nov., a novel streptomycete with  
blue substrate mycelium isolated from South African soil.  
Journal Int. J. Syst. Evol. Microbiol.  
Volume 53  
Page(s) 801-805  
Year 2003

**Genus:** *Streptomyces* **FH 6475**  
**Species:** *speibonae*  
**Numbers in other collections:** DSM 41797

Morphology:

	G	R
<u>ISP 2</u>	good	leaf green
	A	SP
	signal grey	none
	G	R
<u>ISP 3</u>	good	leaf green
	A	SP
	signal grey	none
	G	R
<u>ISP 4</u>	good	leaf green
	A	SP
	signal grey	none
	G	R
<u>ISP 5</u>	sparse	leaf green
	A	SP
	white	none
	G	R
<u>ISP 6</u>	sparse	beige
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	leaf green
	A	SP
	white	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:**



***Streptomyces speibonae***

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



***Streptomyces speibonae***

C and D – Microplate with ISP and melanin media



***Streptomyces speibonae***  
E and F – Microplate for carbon utilization