

Name: *Streptomyces abikoensis*  
Authors: (Umezawa et al. 1951) Witt and Stackebrandt 1991  
Status: New Combination  
Reference(s): Int. J. Syst. Bacteriol. 41:456 (validation list)  
Risk group: 1 (German classification)  
Comment: synonyms: "*S. takataensis*"; "*S. waksmanii*"; "*S. rubroverticillatus*" IJSB 46:699\*  
Type strain: ATCC 12766, CBS 487.62, NRRL B-1518, RIA 497, DSM 40831  
Other names: *Streptoverticillium abikoense* (basonym)  
*Streptomyces ehimensis* (heterotypic synonym)  
*Streptomyces luteoverticillatus* (heterotypic synonym)  
*Streptomyces parvisporogenes* (heterotypic synonym)

Author(s) Hatano, K., Nishii, T., Kasai, H.  
Title Taxonomic re-evaluation of whorl-forming *Streptomyces* (formerly *Streptoverticillium*) species by using phenotypes, DNA-DNA hybridization and sequences of gyrB, and proposal of *Streptomyces luteireticuli* (ex Katoh and Arai 1957) corrig., sp. nov., nom. rev.  
Journal Int. J. Syst. Evol. Microbiol.  
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Year 2003

**Genus:** *Streptomyces*

FH 2492

**Species:** *abikoensis*

**Numbers in other collections:** ATCC 12766

**Former** *Streptovercillium abikoense*

Morphology:

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

Spore chains: Ve

Spore surface: smooth

Sporangia:

Fragmentation:

**Melanoid pigment:** + + + -

**NaCl resistance:** 5 %

**Lysozyme resistance:** 1 %

**pH:** Value- Optimum-

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

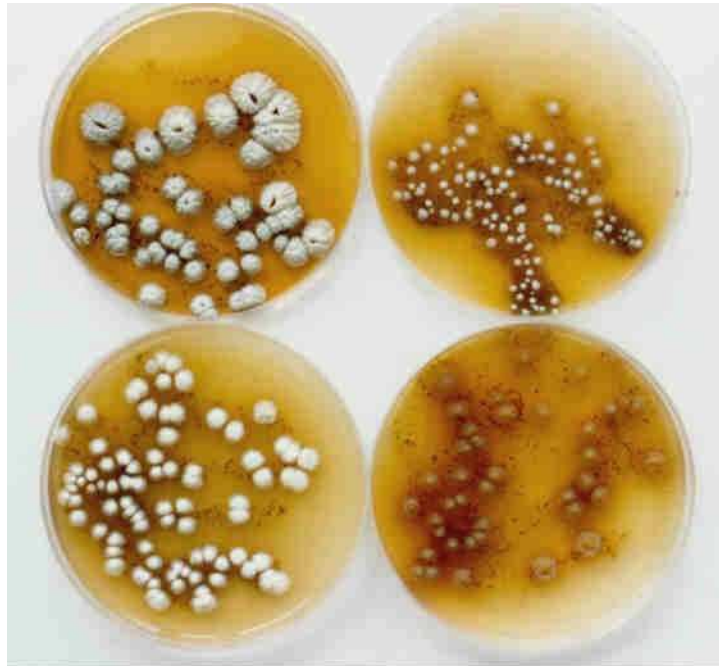
**Carbon utilization:**

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

**Enzymes:**

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

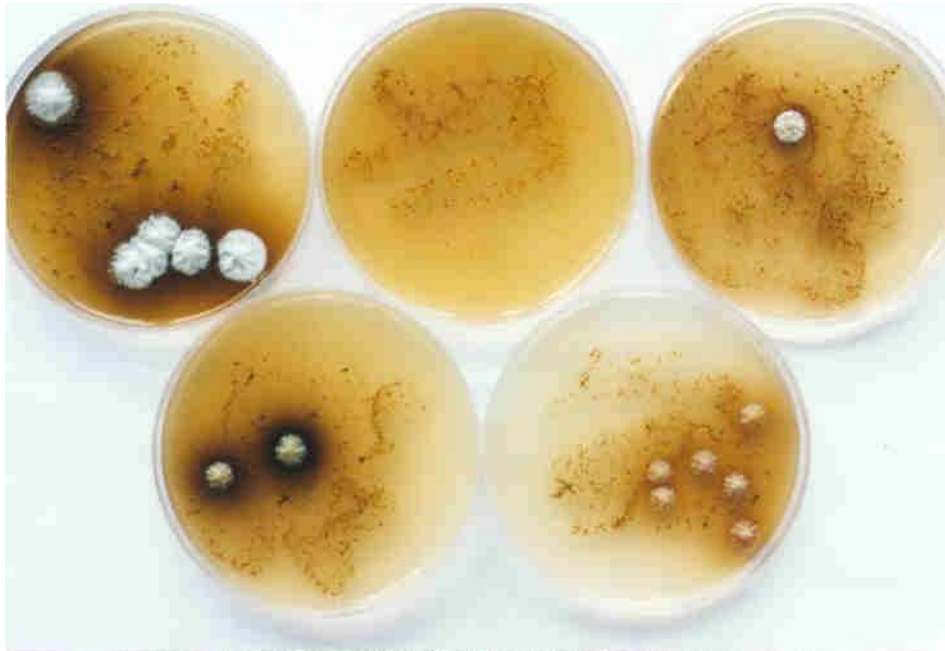
**Comments:**



***Streptomyces abikoensis***

A – Agar plates medium 5265, 5315, 5317 and 5323

B – Agar plates medium 5006, 5318, 5322, 5337 with and without tyrosine



***Streptomyces abikoensis***

C - Agar plates medium 5006, 5318, 5322, 5337 with and without tyrosine

D – Verticillated sporophores with smooth spores (SEM x 7.500)

Name: *Streptomyces ehimensis*

Authors: (Shibata et al. 1954) Witt and Stackebrandt 1991  
Status: New Combination  
Reference(s): Int. J. Syst. Bacteriol. 41:456 (validation list)  
Risk group: 1 (German classification)  
Comment: misprinted in List No. 38: ekimensis  
Type strain: ATCC 23903, DSM 40253  
Synonym(s): *Streptomyces abikoensis*  
*Streptomyces luteoverticillatus*  
*Streptomyces parvisporogenes*  
*Streptomyces olivoretikuli*  
*Streptomyces abikoense*



***Streptomyces ehimensis***

A – Microplate with ISP- and melanin media

**Genus:** *Streptomyces*

FH 2923

**Species:** *ehimensis*

**Numbers in other collections:** DSM 40253

Morphology:

	G	R
<u>ISP 2</u>	good	clay brown
	A	SP
	salmon pink	ochre brown
	G	R
<u>ISP 3</u>	good	clay brown
	A	SP
	white	ochre brown
	G	R
<u>ISP 4</u>	good	ochre brown
	A	SP
	salmon pink	none
	G	R
<u>ISP 5</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	beige
	A	SP
	white	none

Spore chains:

Spore surface:

Sporangia:

Fragmentation: -

**Melanoid pigment:** - - + -

**NaCl resistance:** 5 %

**Lysozyme resistance:**

**pH:** Value-

Optimum-

**Temperature :** Value-

Optimum- 28°C

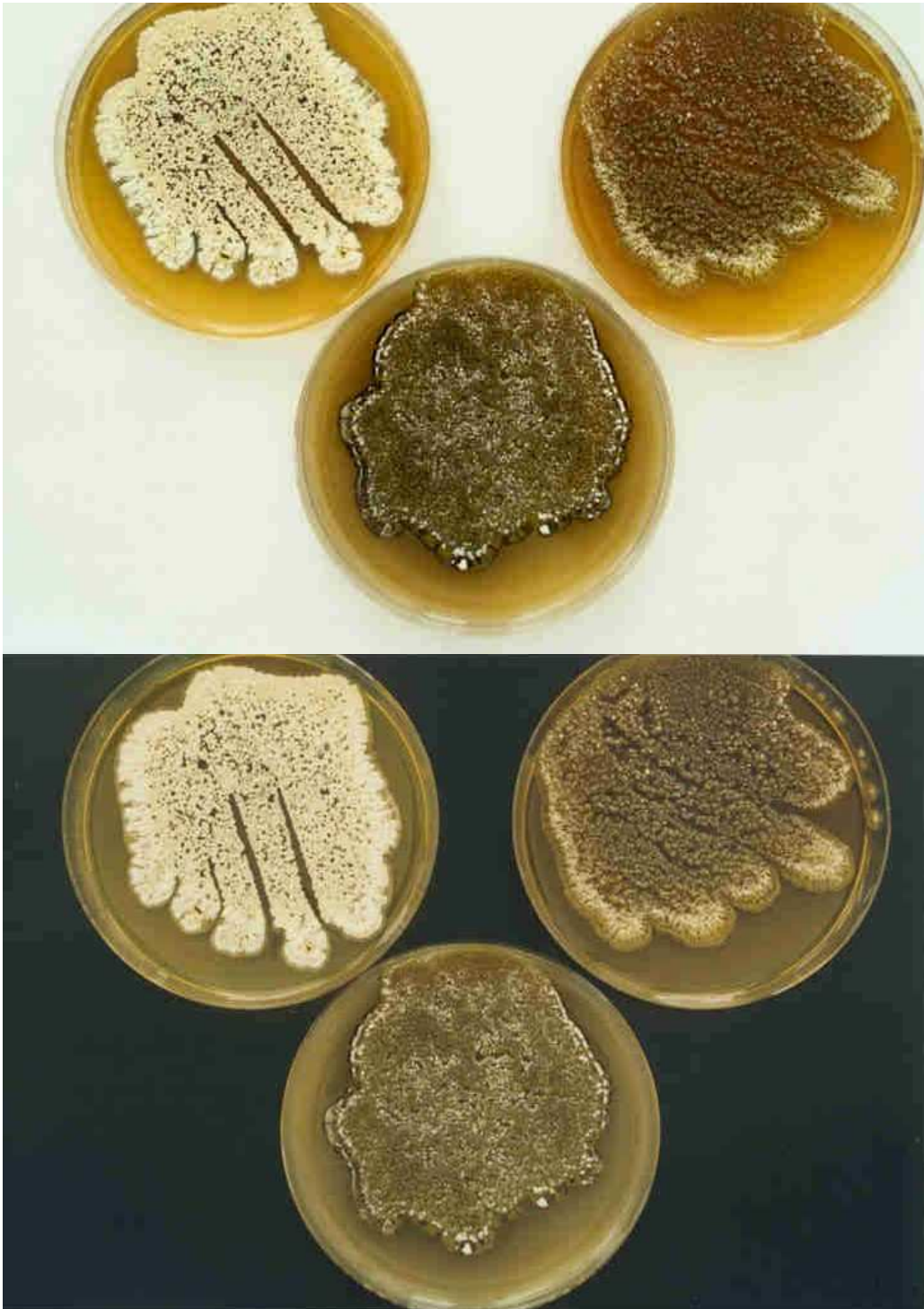
**Carbon utilization:**

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

**Enzymes:**

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

**Comments**



***Streptomyces ehimensis***

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

Name: *Streptomyces luteoverticillatus*  
Authors: (Shinobu 1956) 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 23933, CBS 917.68, IFO 12887, ISP 5038,  
RIA 1109, DSM 40038  
Synonym(s): *Streptomyces abikoensis*  
*Streptomyces ehimensis*  
*Streptomyces parvisporogenes*  
*Streptomyces olivoreticuli*  
*Streptoverticillium abikoense*

Name: *Streptomyces parvisporogenes*  
Authors: (Locci et al. 1969) 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 12568, CBS 695.72, IFO 13394, ISP 5473,  
RIA 1355, DSM 40473  
Synonym(s): *Streptomyces abikoensis*  
*Streptomyces ehimensis*  
*Streptomyces luteoverticillatus*  
*Streptomyces olivoreticuli*  
*Streptoverticillium abikoense*