

Name: ***Streptomyces vitaminophilus***

Authors: (Shomura et al. 1983) Goodfellow et al. 1986

Status: New Combination

Reference(s): Int. J. Syst. Bacteriol. 36:575 (validation list)

Risk group: 1 (German classification)

Type strain: ATCC 31673, SF 2080, DSM 41686

Other names: *Actinosporangium vitaminophilum* (basonym)

Author(s) Shomura, T. S. et al.  
Title *Actinosporangium vitaminophilum* sp.nov.  
Journal Int. J. Syst. Bacteriol.  
Volume 33  
Page(s) 557-564  
Year 1983

**Genus:** *Streptomyces*

FH 2225

**Species:** *vitaminophilus*

**Numbers in other collections:** ATCC 31673

Morphology:

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

Spore chains: RF

Spore surface: smooth

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
+	-	+	+	-	-	+	+	+	-	-

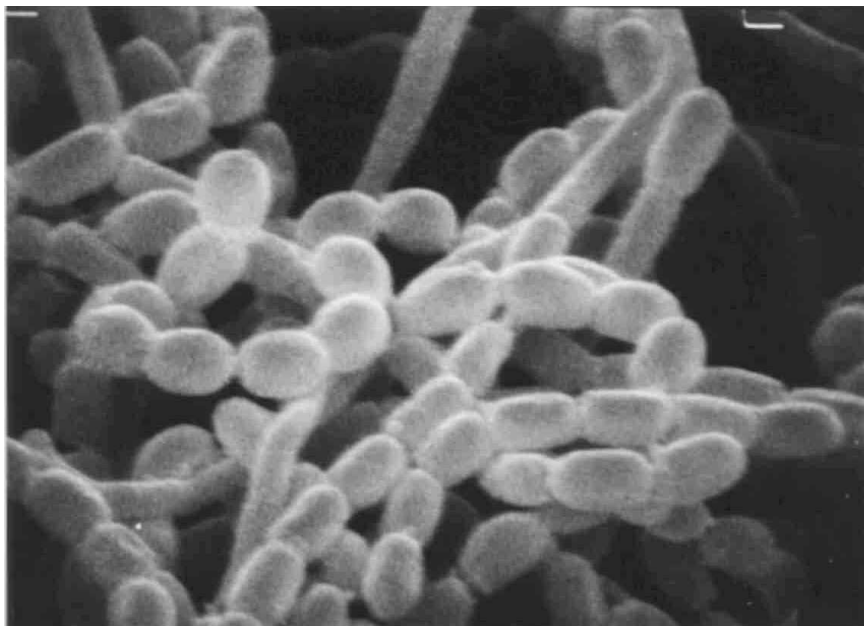
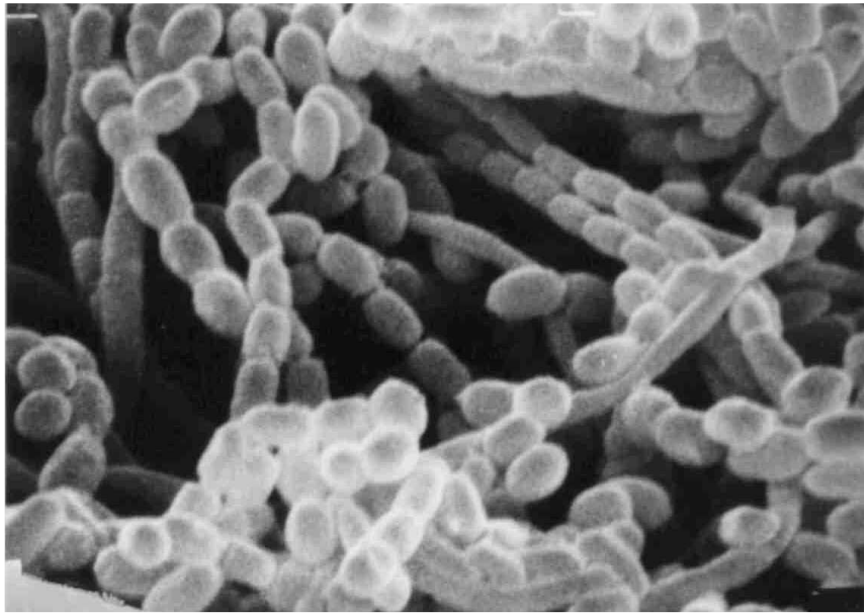
**Comments:**



***Streptomyces vitaminophilus***

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

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



***Streptomyces vitaminophilus***

Spore chain morphology and spore surface in SEM

C x 7.500 D x 10.000