

Name: *Streptomyces coelestis*

Authors: (Krassilnikov et al. 1965) Pridham 1970

Status: Approved Lists

Reference(s): Int. J. Syst. Bacteriol. 30:377 (AL)

Risk group: 1 (German classification)

Type strain: ATCC 19830, CBS 679.72, IFO 13378, ISP 5421, RIA 1339, DSM 40421

**Genus:** *Streptomyces*

FH 2314

**Species:** *coelestans*

**Numbers in other collections:** ATCC 19830

Morphology:

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

Spore chains: RF

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  
+ + + + + - + + - - -

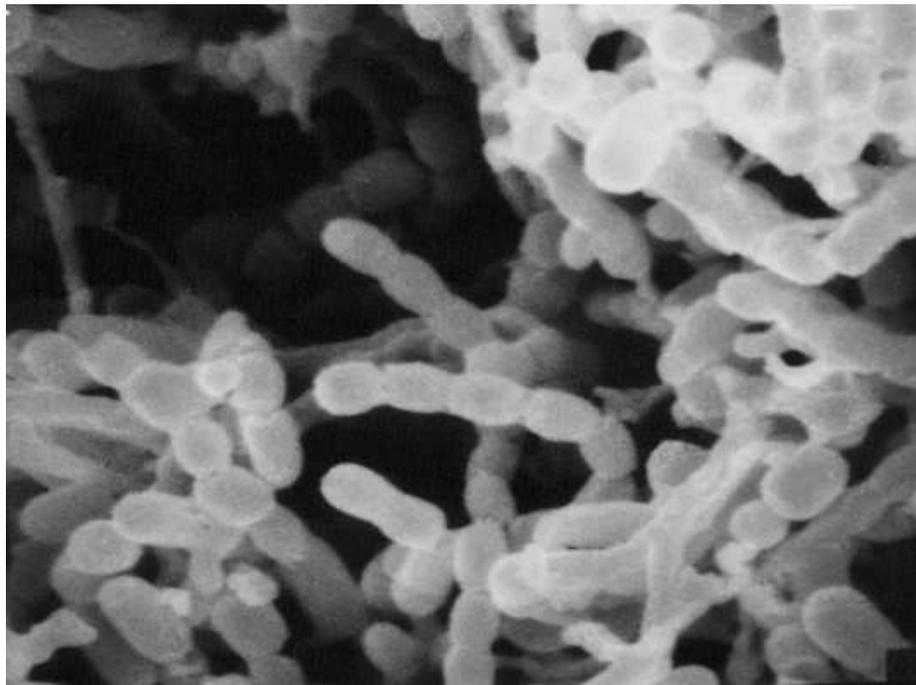
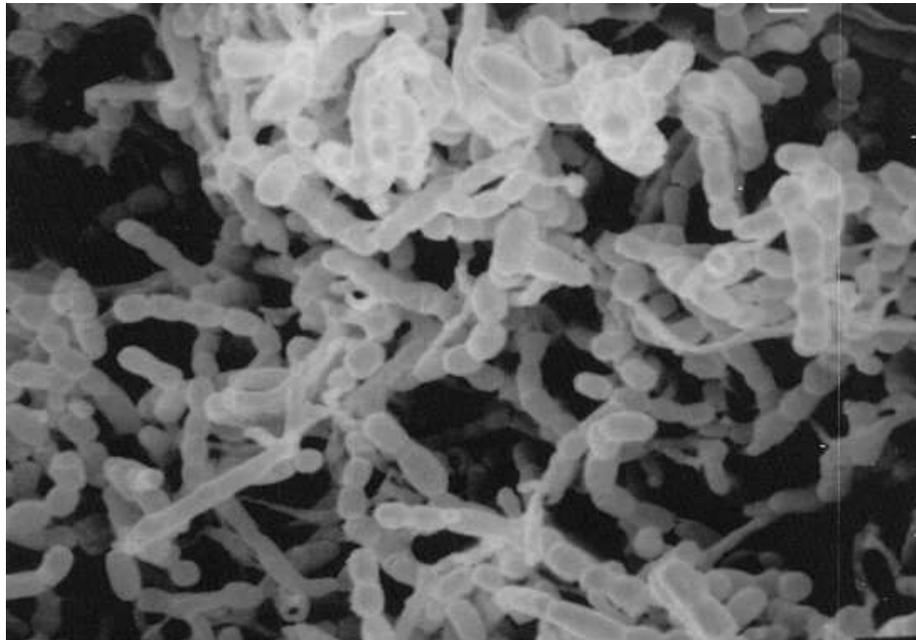
**Comments**



***Streptomyces coelestis***

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

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



***Streptomyces coelestis***

Spore chain morphology and spore surface in SEM  
C x 5.000 D x 10.000