

Name: *Streptomyces coelicolor*

Authors: (Müller 1908) Waksman and Henrici 1948

Status: Approved Lists

Reference(s): Int. J. Syst. Bacteriol. 30:378 (AL)

Risk group: 1 (German classification)

Type strain: ATCC 23899, CBS 210.27, CBS 795.68,  
ISP 5233, RIA 1173, DSM 40233

**Genus: Streptomyces**

**FH 2279**

**Species: coelicolor**

**Numbers in other collections: DSM 40233**

Morphology:

<u>ISP 2</u>	G good A sparse, ivory	R yellowish-brown SP none
<u>ISP 3</u>	G good A white	R white SP none
<u>ISP 4</u>	G good A ivory	R grey-green SP none
<u>ISP 5</u>	G good A white	R yellow-brown SP none
<u>ISP 6</u>	G A	R SP
<u>ISP 7</u>	G A	R SP

Spore chains: RF

Spore surface: smooth

Sporangia:

Fragmentationn:

**Melanoid pigment: -**

**NaCl resistance: growth up to 7,5 %**

**Lysozyme resistance:**

**pH: Value-**

**Optimum-**

**Temperature : Value-**

**Optimum- 30°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**



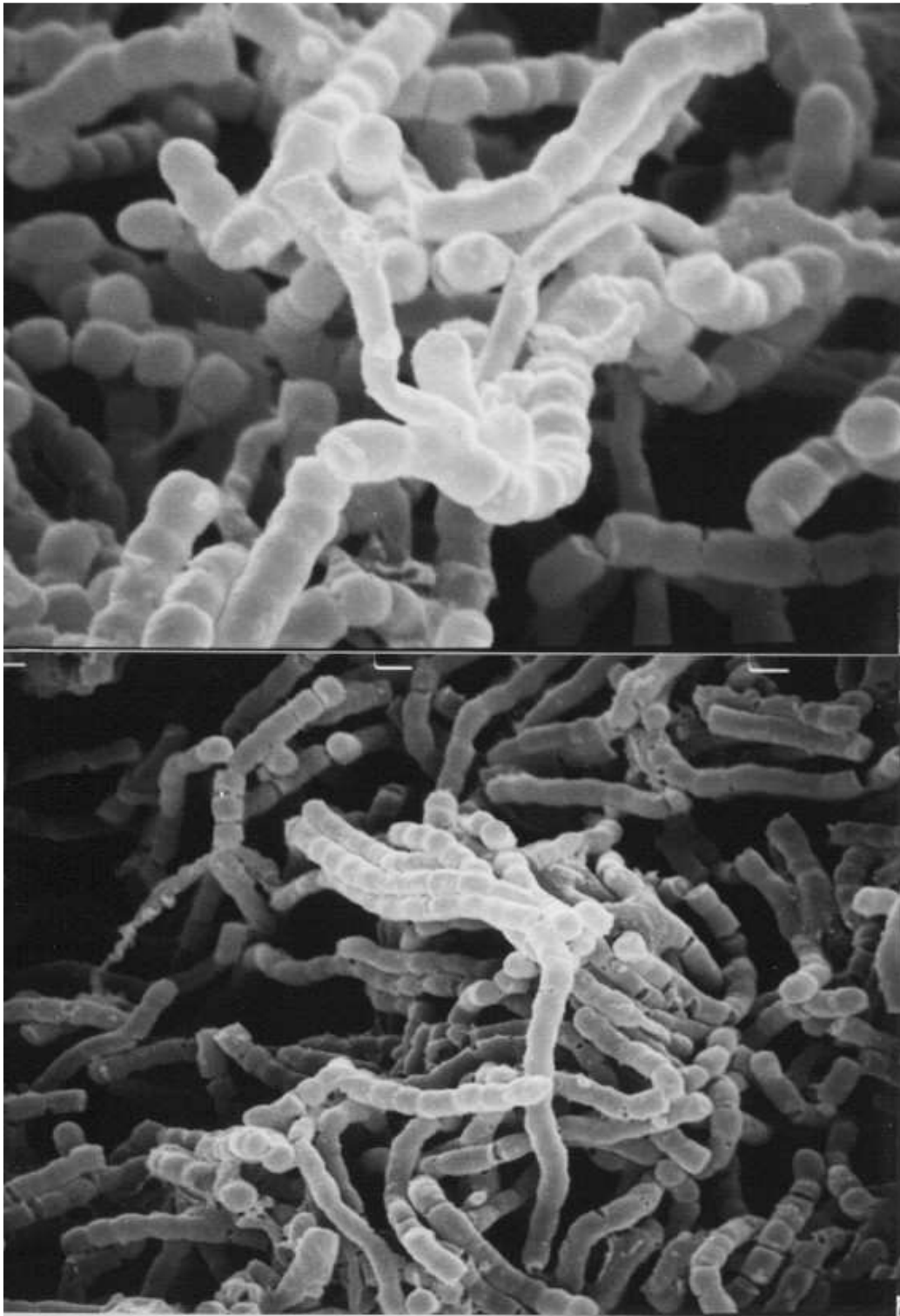
***Streptomyces coelicolor***

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



***Streptomyces coelicolor***

C and D – Microplate with ISP- and melanin media



***Streptomyces coelicolor***

Spore chain morphology and spore surface in SEM

E x 10.000 F x 5.000