

Name: ***Micromonospora coerulea***

Authors: Jensen 1932

Status: Approved Lists

Literature: Int. J. Syst. Bacteriol. 30:321 (AL)

Risk group: 1 (German classification)

Type strain: ATCC 27008, DSM 43143, IFO 13504,
IMET 8210

Genus: *Micromonospora*

FH 2541

Species: *coerulea*

Numbers in other collections: ATCC 27008

Morphology:

	G	R
<u>ISP 2</u>	good	black red
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	fir green
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	salmon orange
	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	fir green
	A	SP
	white	none
	G	R
<u>ISP 6</u>	sparse	colourless
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	fir green
	A	SP
	none	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
+	-	-	(+)	+	-	(+)	(+)	+	-	-



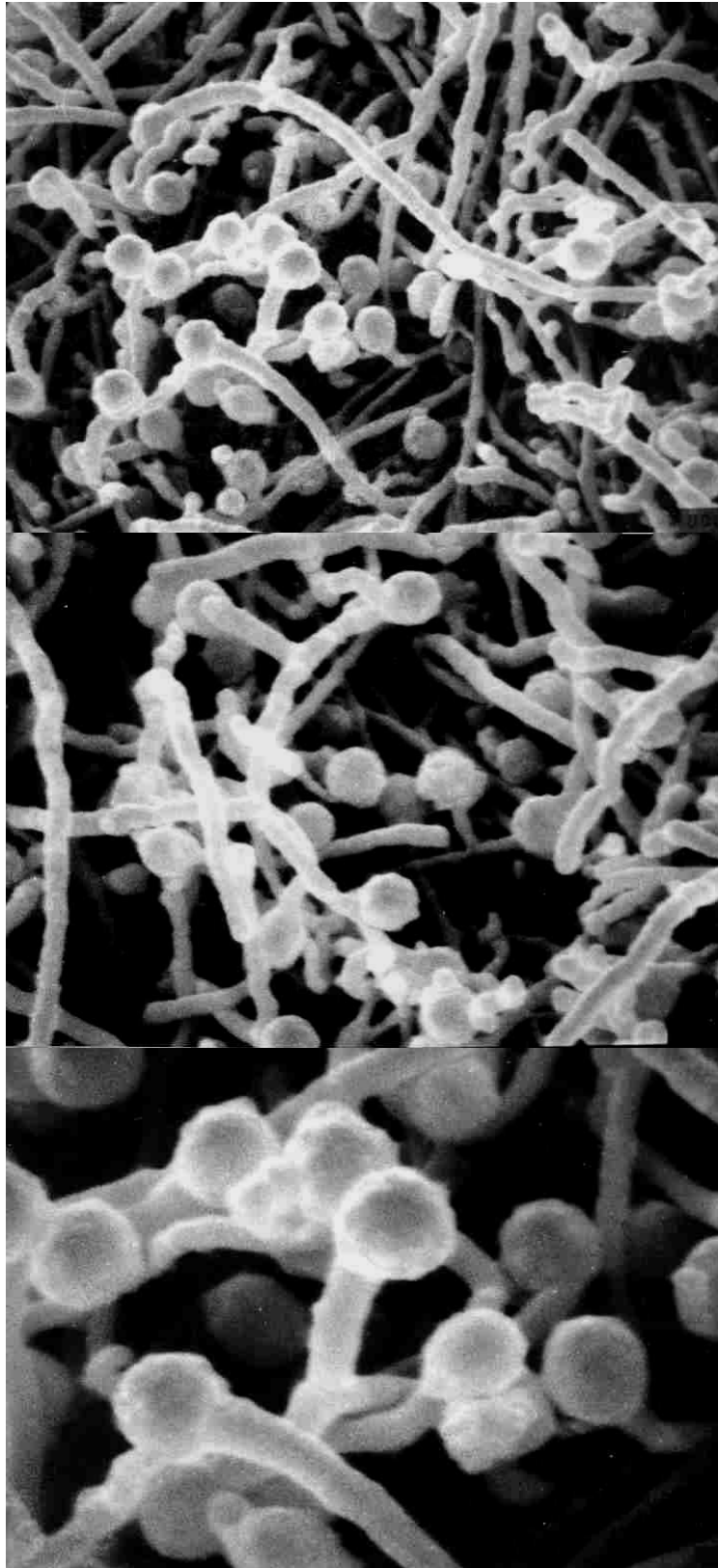
Micromonospora coerulea

A and B – Agar plates medium 5315, 5317 and 5223



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C and D – Agar plates medium 5318, 5322, 5337 with and without tyrosine



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Single spores in SEM

E x 7.500 F x 10.000 G x 15.000