Name:	***Actinoplanes derwentensis***
Authors:	Goodfellow et al. 1990
Status:	New Species
Literature:	Int. J. Syst. Bacteriol. 40:320 (validation list)
Risk group:	1 (German classification)
Type strain:	DSM 43941, IFO 14935, LA 107, NCIB 12875

Author(s)	Goodfellow, M., Stanton, L. J., Simpson, K. E., Minnikin, D. E.
Title	Numerical and chemical classification of *Actinoplanes* and some related actinomycetes.
Journal	J. Gen. Microbiol.
Volume	136
Page(s)	19-36
Year	1990

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Genus: ***Actinoplanes*** **FH 2535**
Species: ***derwentensis***
Numbers in other collections: ATCC 49798

Morphology:

	G	R
ISP 2	good	bright red orange
	A	SP
	none	none
	G	R
ISP 3	good	bright red orange
	A	SP
	none	none
	G	R
ISP 4	good	bright red orange
	A	SP
	none	none
	G	R
ISP 5	good	bright red orange
	A	SP
	none	none
	G	R
ISP 6	good	bright red orange
	A	SP
	none	none
	G	R
ISP 7	good	bright red orange
	A	SP
	none	none

Spore chains: Spore surface: smooth
Sporangia: + Fragmentation:
Melanoid pigment: - - - -
NaCl resistance: 2,5 %
Lysozyme resistance:
pH: Value- Optimum-
Temperature : Value- Optimum- 28 ℃

Carbon utilization:

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

Enzymes:

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

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
+	+	+	-	+	+	+	+	+	+	+	+	+	-	+	+	+	-	-

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Actinoplanes derwentensis
A – Agar plates medium 5265, 5315, 5317 and 5323
B – Agar plates medium 5318, 5322, 5337 with and without tyrosine

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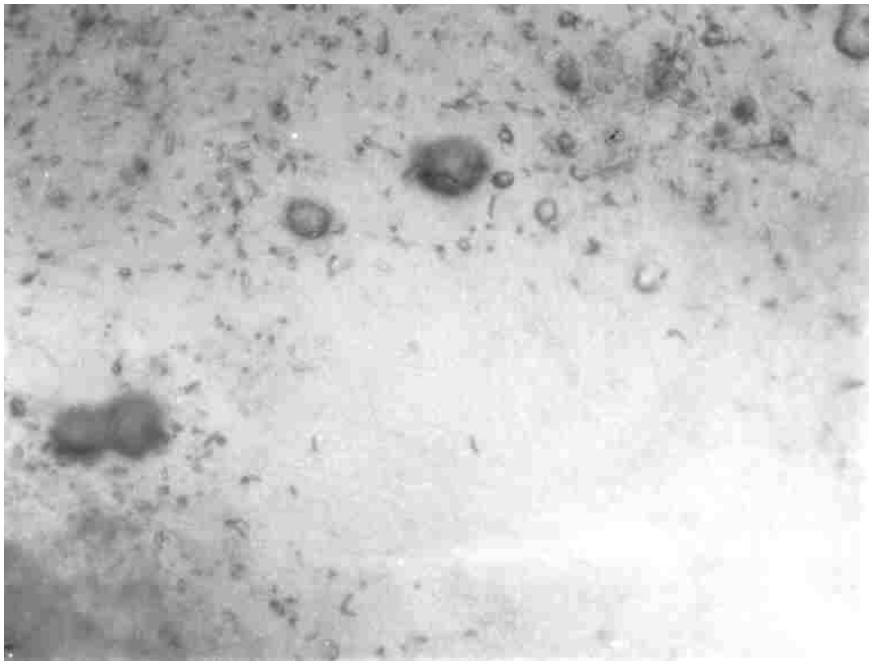

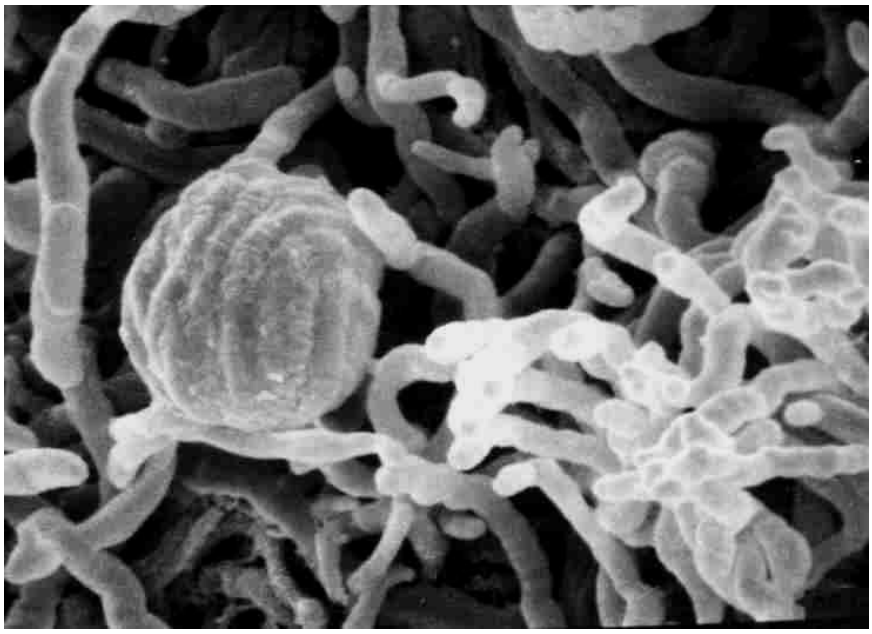

Actinoplanes derwentensis
C – Sporangia in LM (x 250)
D – Sporangia in SEM (x 5.000)

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