

Name: ***Actinoplanes ferrugineus***  
Authors: Palleroni 1979  
Status: Approved Lists  
Literature: Int. J. Syst. Bacteriol. 30:244 (AL)  
Risk group: 1 (German classification)  
Type strain: ATCC 29868, DSM 43807, IMET 9273,  
KCC A-0277

Author(s) Palleroni, N. J.  
Title New species of the genus *Actinoplanes*, *Actinoplanes ferrugineus*.  
Journal Int. J. Syst. Bacteriol.  
Volume 29  
Page(s) 51-59  
Year 1979

Fatty acid pattern:

14 : 0 Iso	1,0		
15 : 0 Iso	16,0	18 : 1 cis 9	10,0
15 : 0 Anteiso	14,0	18 : 0	7,0
15 : 0	1,0		
16 : 0 Iso	9,0		
16 : 1 cis 9	6,0		
16 : 0	10,0		
17 : 0 Iso	5,0		
17 : 0 Anteiso	17,0		
17 : 1 cis 9	2,0		
17 : 0	3,0		

**Genus:** *Actinoplanes*

FH 2240

**Species:** *ferrugineus*

**Numbers in other collections:** ATCC 29868

Morphology:

	G	R
<u>ISP 2</u>	good	wine red
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	brown red
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	brown red
	A	SP
	none	red
	G	R
<u>ISP 5</u>	good	brown red
	A	SP
	none	none
	G	R
<u>ISP 6</u>	sparse	brown red
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	brown red
	A	SP
	none	red

Spore chains:

Spore surface: smooth

Sporangia: +

Fragmentation:

**Melanoid pigment:** - - + -

**NaCl resistance:** 0 - 2,5 %

**Lysozyme resistance:**

**pH:** Value- Optimum-

**Temperature :** Value- Optimum- 28 °C

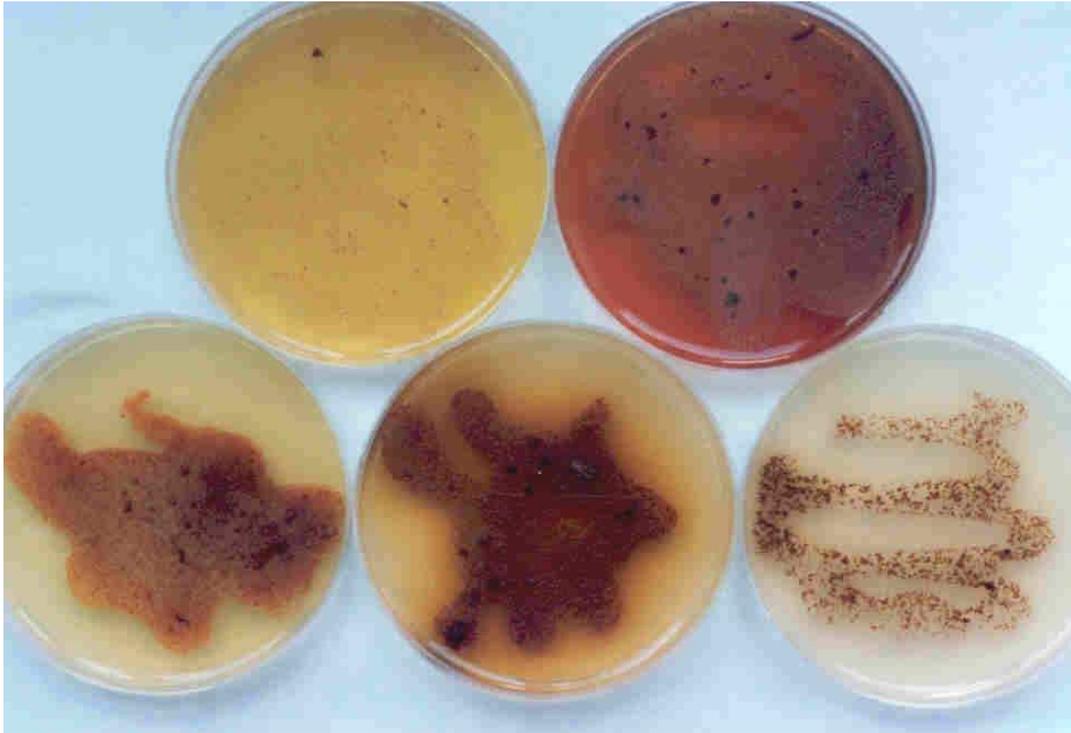
**Carbon utilization:**

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

**Enzymes:**

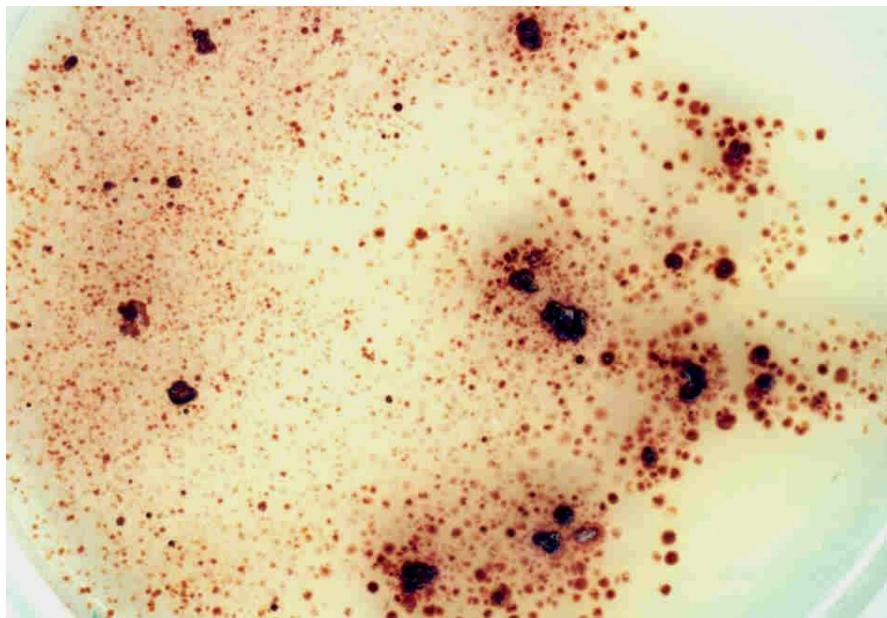
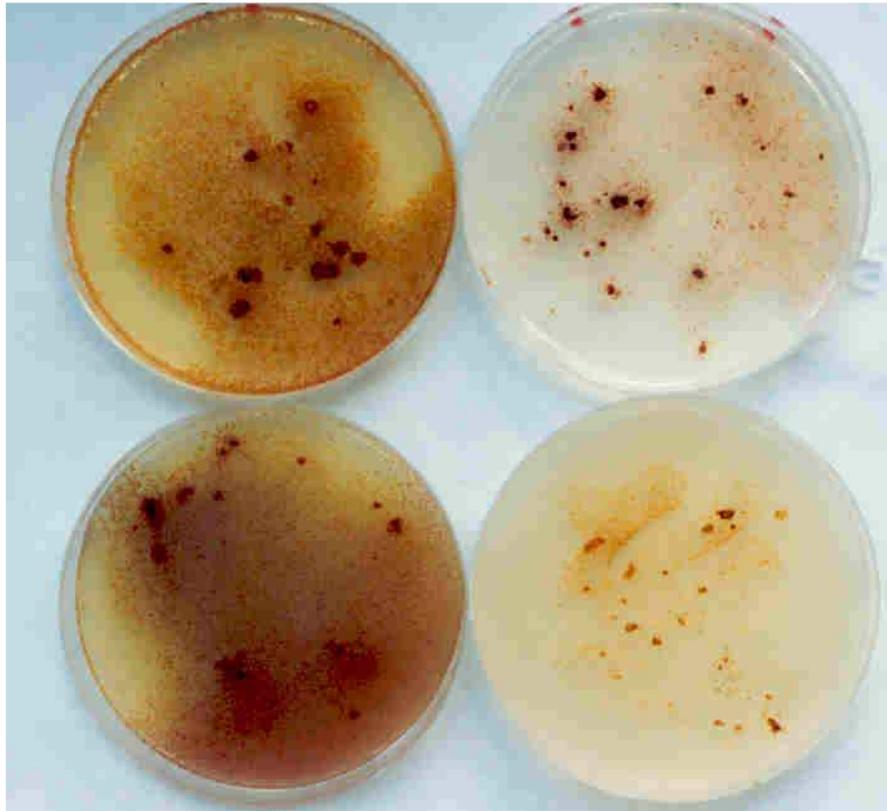
Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
+	+	+	-	+	-	-	-	+	-	-
2+	3+	4+	5-	6+	7-	8-	9+	10-	11+	12-
13+	14+	15+	16+	17+	18+	19-	20-			

**Comments:**



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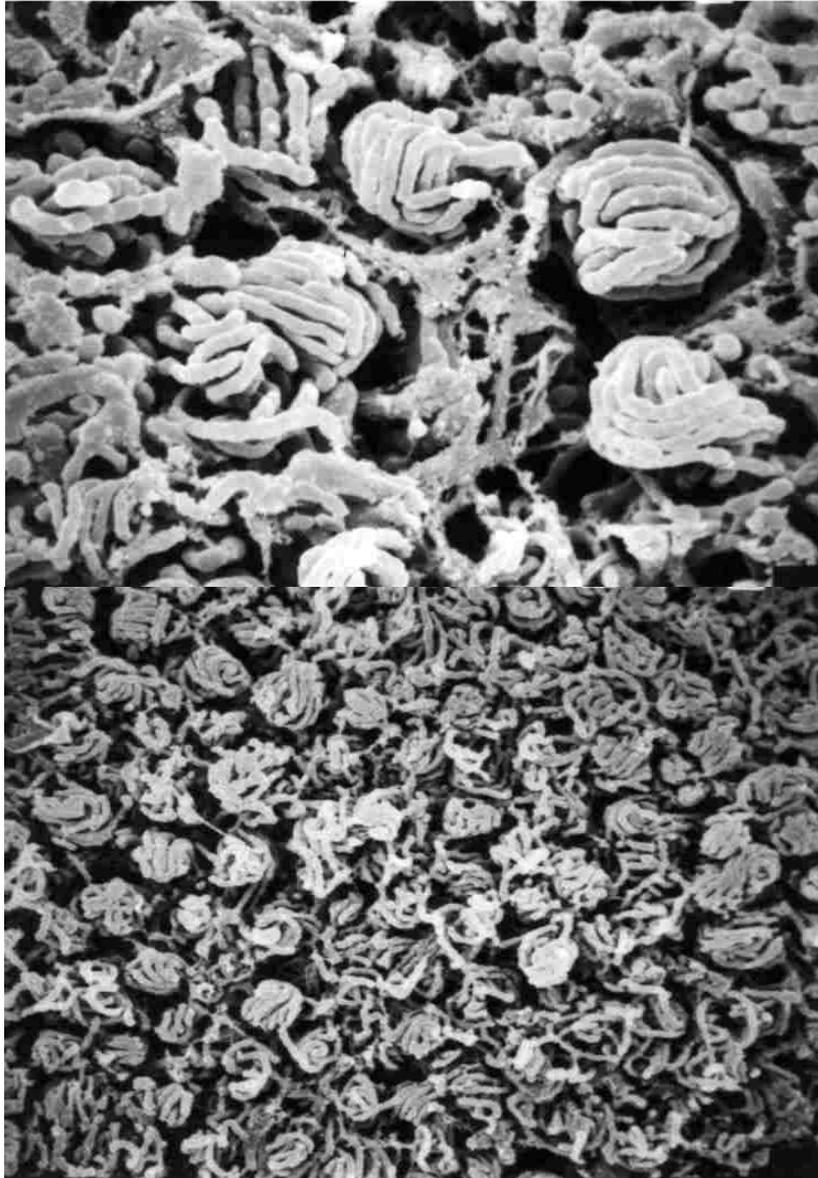
A and B – Agar plates medium 5318, 5322, 5006, 5337 with and without tyrosine



***Actinoplanes ferrugineus***

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

D – Colony detail on medium 5315



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Sporangia in SEM

E x 5.000 F x 1.500