

Name: *Lechevalieria flava*  
Authors: (Gauze et al. 1974) Labeda et al. 2001  
Status: New Combination  
Literature: Int. J. Syst. Bacteriol. 51:1050  
Risk group: 1 (German classification)  
Type strain: ATCC 29533, DSM 43885, INA 2171  
Synonyms: *Actinomadura flava* (basonym),  
*Nocardiosis flava* (basonym),  
*Saccharothrix flava* (basonym)

Author(s) Gauze, G. F., Maksimova, T. S., Olkhovatova, O. L.,  
Sveshnikova, M. A., Kochetkova, G. V., Ilchenko, G. B.  
Title Production of madumycin, an antibacterial antibiotic, by  
*Actinomadura flava* sp. nov.  
Journal Antibiotiki  
Volume 19  
Page(s) 771-775  
Year 1974

Author(s) Labeda, D. P., Hatano, K., Kroppenstedt, R. M., Tamura, T.  
Title Revival of the genus *Lentzea* and proposal for *Lechevalieria*  
gen. nov.  
Journal Int. J. Syst. Evol. Microbiol.  
Volume 51  
Page(s) 1045-1050  
Year 2001

Fatty acid pattern:

14 : 0	Iso	2,0
15 : 0	Iso	12,0
15 : 0	Anteiso	7,0
16 : 1	Iso H	1,0
16 : 0	Iso	29,0
16 : 1	Cis 9	11,0
16 : 0		8,0
16 : 0	methyl	3,0
17 : 0	Iso	6,0
17 : 0	Anteiso	14,0
17 : 1	Cis 9	1,0
16 : 0	Iso 2 OH	1,5
17 : 0		1,0
18 : 0	Iso	1,0
18 : 1	Cis 9	1,5
18 : 0		3,0

**Genus:** *Lechevalieria*

**FH 2416**

**Species:** *flava*

**Numbers in other collections:** ATCC 29533

Morphology:

	G	R
<u>ISP 2</u>	good	maize yellow
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	colorless
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	colorless
	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	chrome yellow
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	colorless
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	brown beige
	A	SP
	none	none

Spore chains:

Spore surface:

Sporangia:

Fragmentation:

**Melanoid pigment:** - - (+) -

**NaCl resistance:** 2,5 %

**Lysozyme resistance:**

**pH:** Value- Optimum-

**Temperature :** Value- Optimum- 37 °C

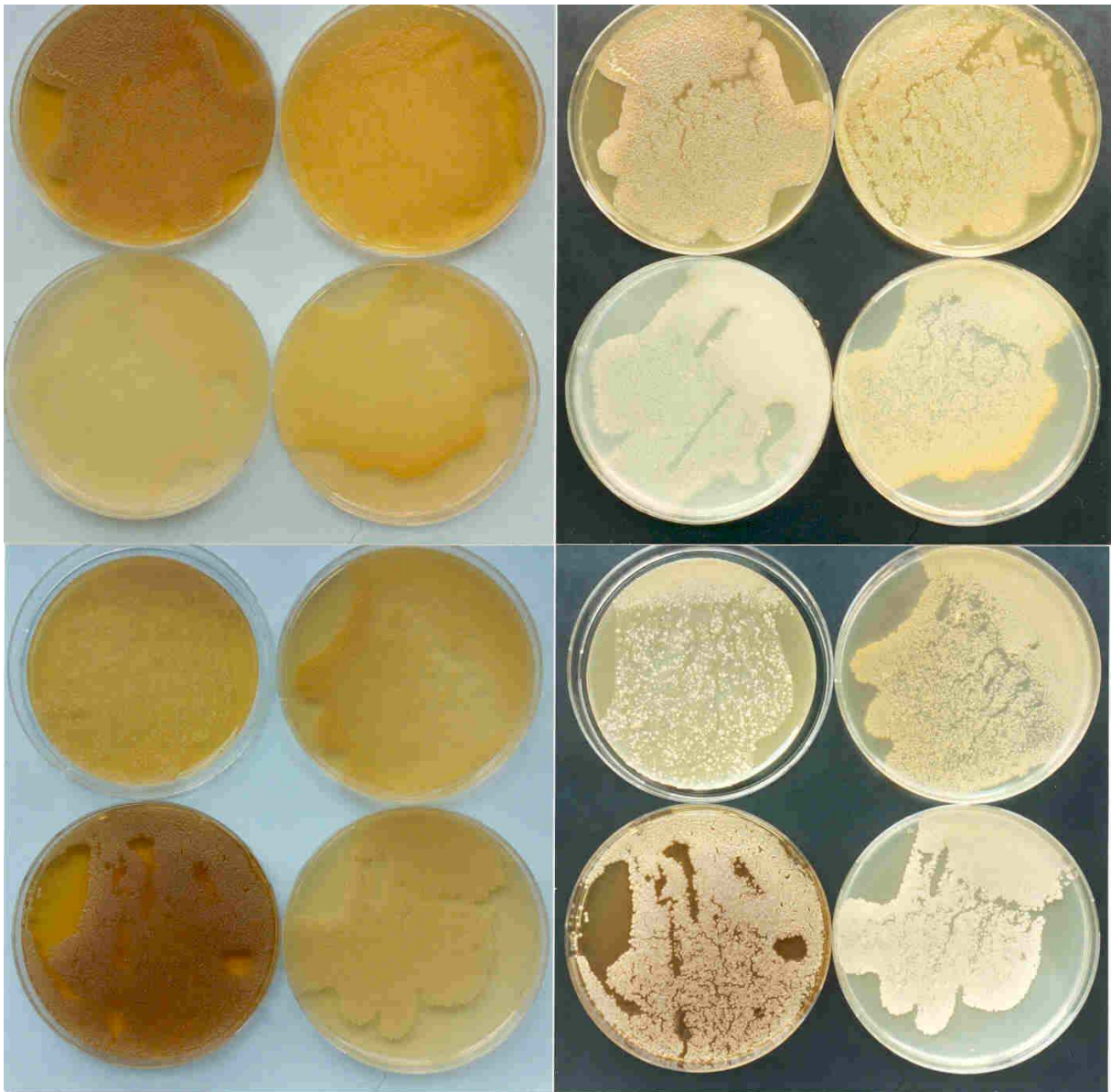
**Carbon utilization:**

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:**



***Lechevalieria flava***

A and B – Agar plates medium 5006, 5265, 5315 and 5317

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