

Name: ***Streptomyces flavoviridis***

Authors: Preobrazhenskaya 1986

Status: New Species

Reference(s): Int. J. Syst. Bacteriol. 36:574 (validation list)

Risk group: 1 (German classification)

Type strain: ATCC 19759, DSM 40153, IMET 42058,  
INA 2314, ISP 5153

**Genus:** *Streptomyces*

FH 2606

**Species:** *flavoviridis*

**Numbers in other collections:** IFO 12772

Morphology:

<u>ISP 2</u>	G	R
	good	saffron yellow
	A	SP
<u>ISP 3</u>	none	none
	G	R
	good	saffron yellow
<u>ISP 4</u>	A	SP
	pebble grey	none
	G	R
<u>ISP 5</u>	good	saffron yellow
	A	SP
	white	none
<u>ISP 6</u>	G	R
	good	saffron yellow
	A	SP
<u>ISP 7</u>	none	none
	G	R
	good	saffron yellow
	A	SP
	white	none

Spore chains: Ra

Spore surface: spiny/knobby

Sporangia:

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance: 5 %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 28 °C

Carbon utilization:

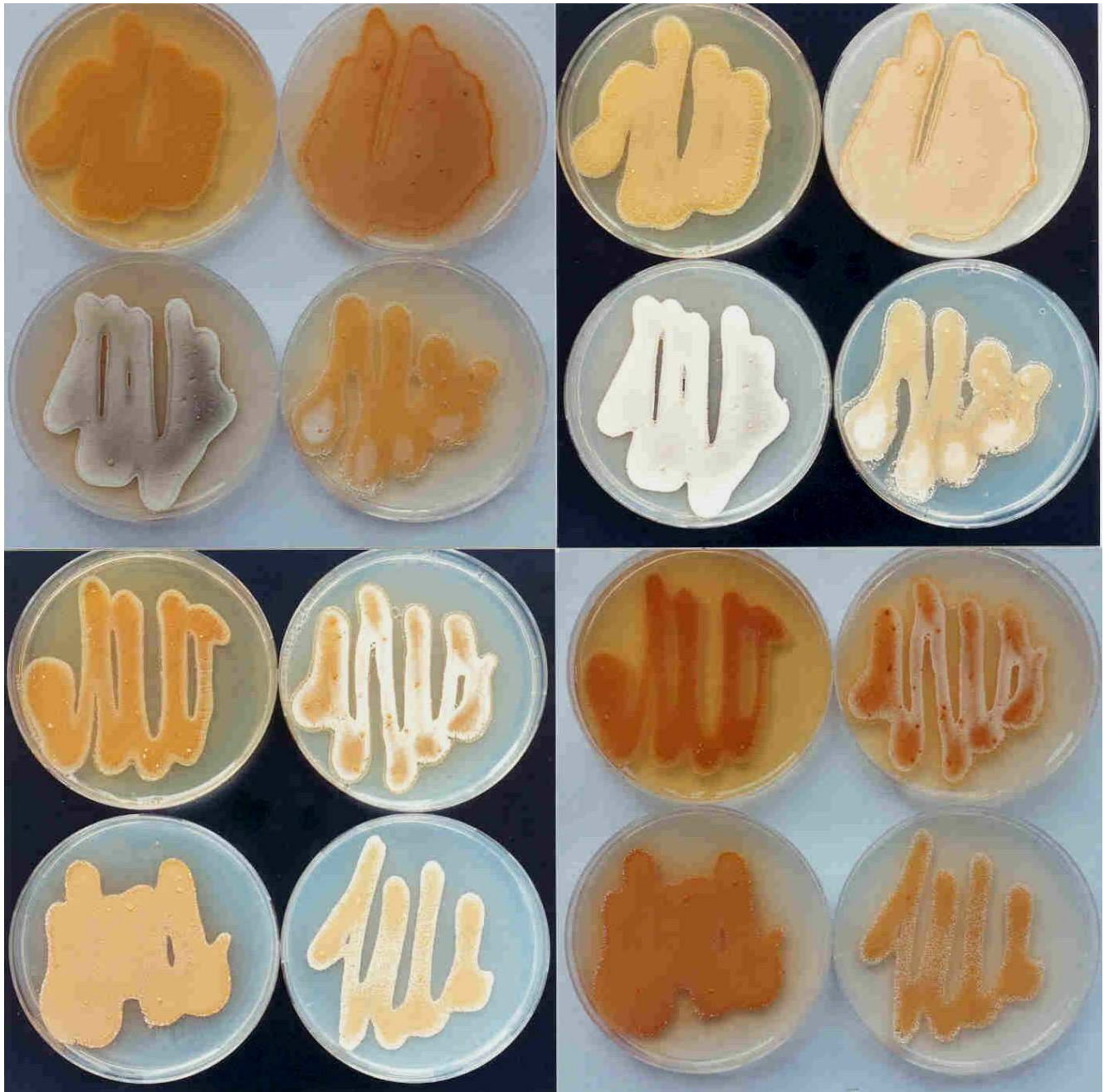
Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
+	-	-	-	+	+	+	+	-	-

Enzymes:

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

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

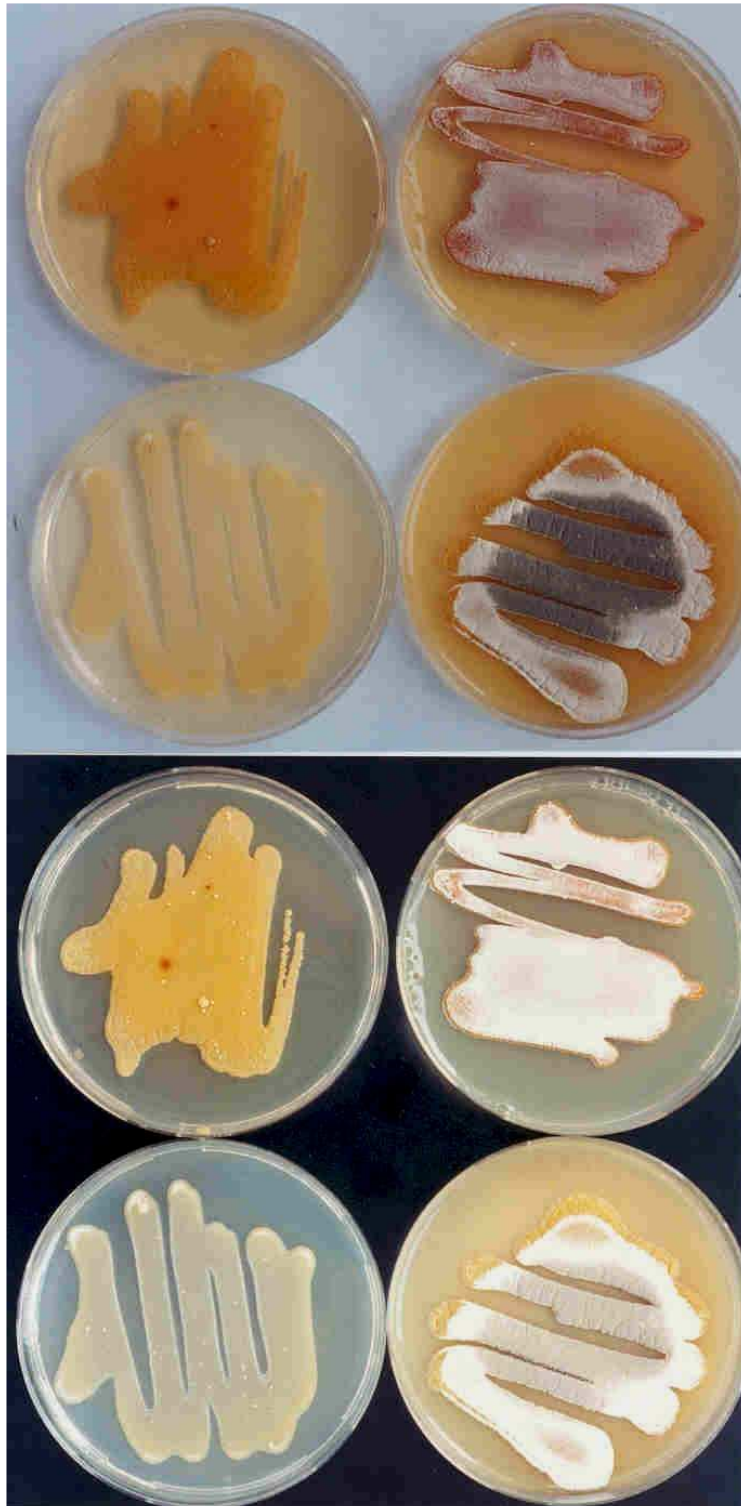
Comments



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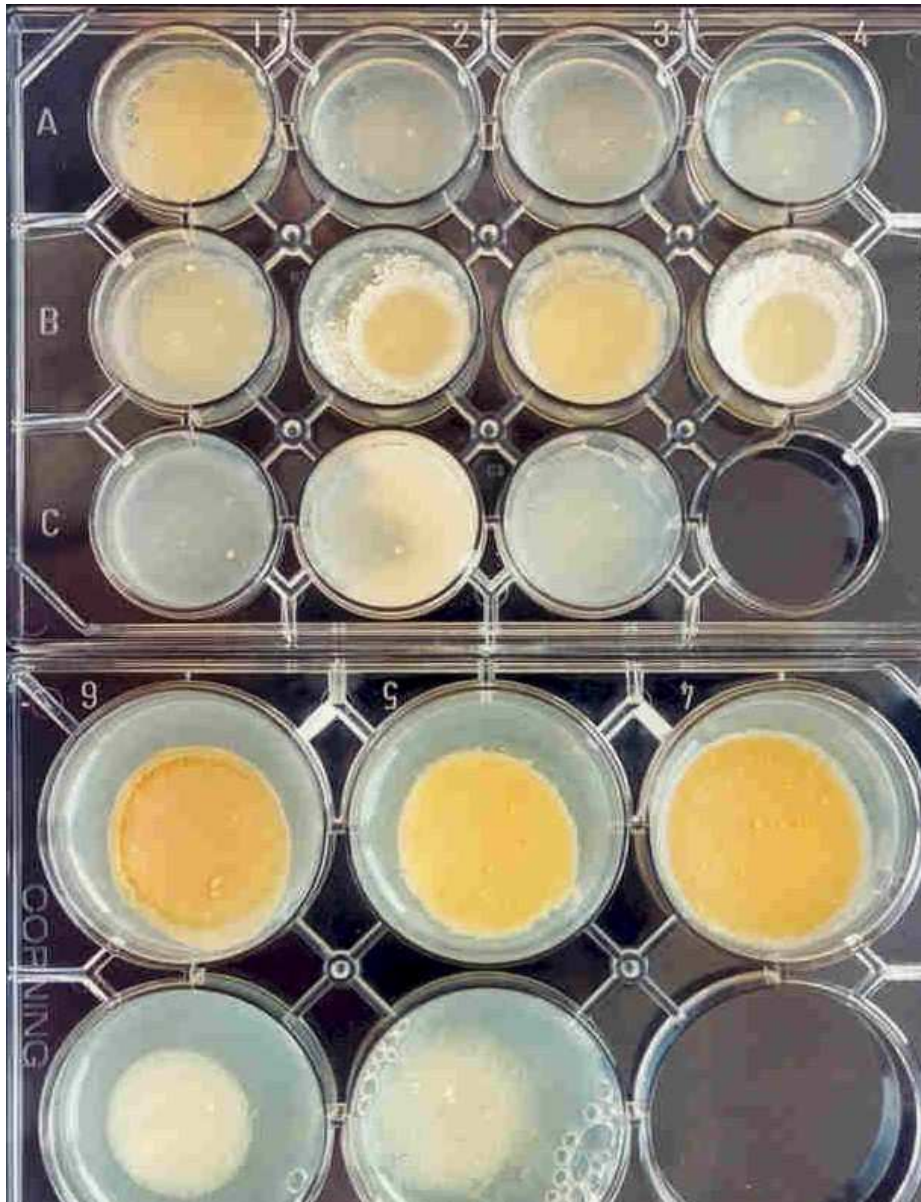
A and B – Agar plates medium 5265, 5315, 5317 and 5323

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



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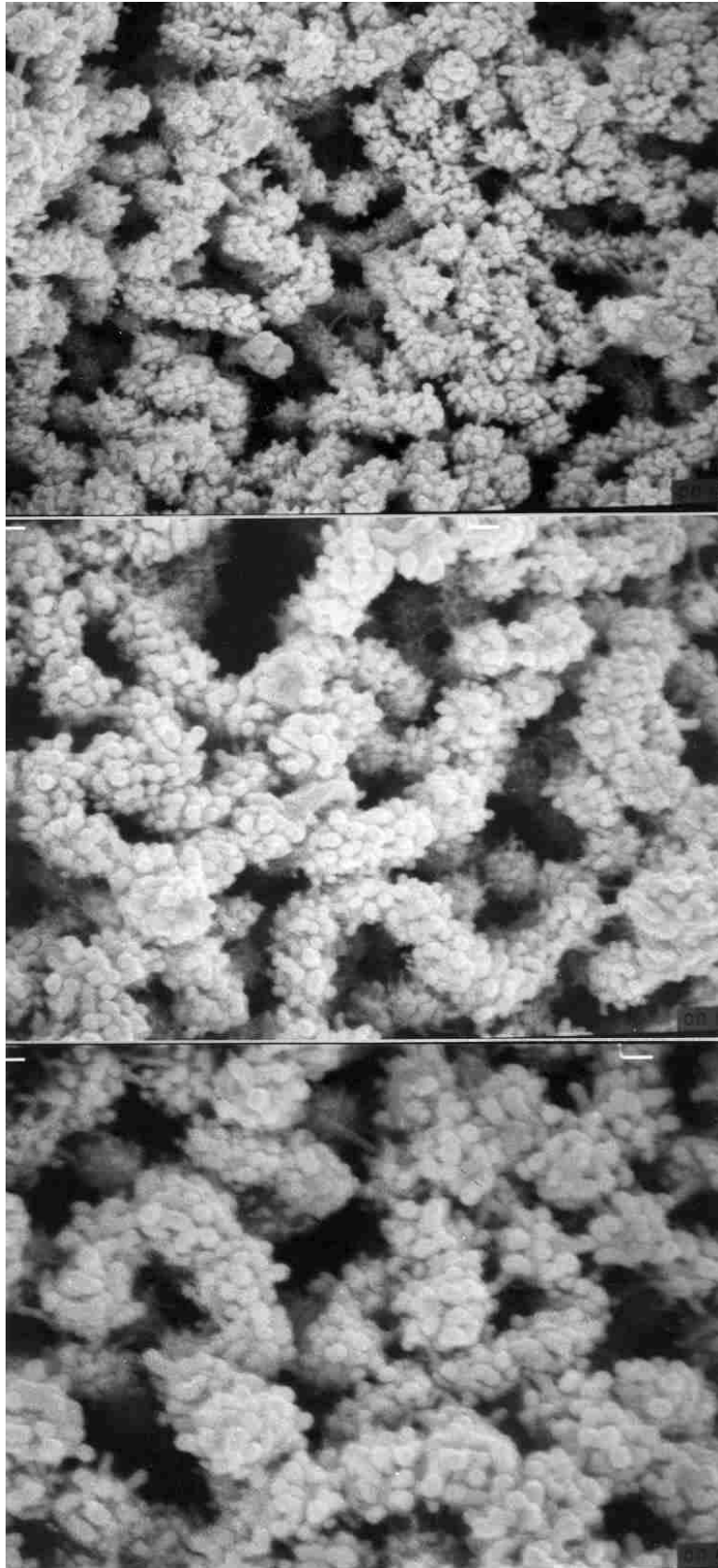
E and F – Agar plates medium 5430, 5006, 5433 and 5429



***Streptomyces flavoviridis***

G – Carbon utilization

H – Sodium chloride tolerance



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Spore chain morphology and knobby to spiny spore surface in SEM  
I x 5.000 K x 7.500 L x 10.000

Copyright: PD Dr. Joachim M. Wink, HZI - Helmholtz-Zentrum für Infektionsforschung GmbH,  
Inhoffenstr. 7, 38124 Braunschweig, Germany, Mail: joachim.wink@helmholtz-hzi.de.