

Name: ***Streptomyces violaceorubidus***

Authors: Terekhova 1986

Status: New Species

Reference(s): Int. J. Syst. Bacteriol. 36:575 (validation list)

Risk group: 1 (German classification)

Type strain: INA 770, DSM 41478

Genus: *Streptomyces*

FH 2526

Species: *violaceorubidus*

Numbers in other collections: ATCC 43697

Morphology:

<u>ISP 2</u>	G	R
	good	ruby red
	A	SP
<u>ISP 3</u>	sparse	none
	G	R
	good	ruby red
<u>ISP 4</u>	A	SP
	sparse	none
	G	R
<u>ISP 5</u>	good	red orange
	A	SP
	gray	none
<u>ISP 6</u>	G	R
	good	flame red
	A	SP
<u>ISP 7</u>	gray	none
	G	R
	good	beige
<u>ISP 8</u>	A	SP
	none	none
	G	R
<u>ISP 9</u>	good	black red
	A	SP
	gray	none

Spore chains: RF

Spore surface: smooth/warty

Sporangia:

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance: 7,5 %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 28 °C

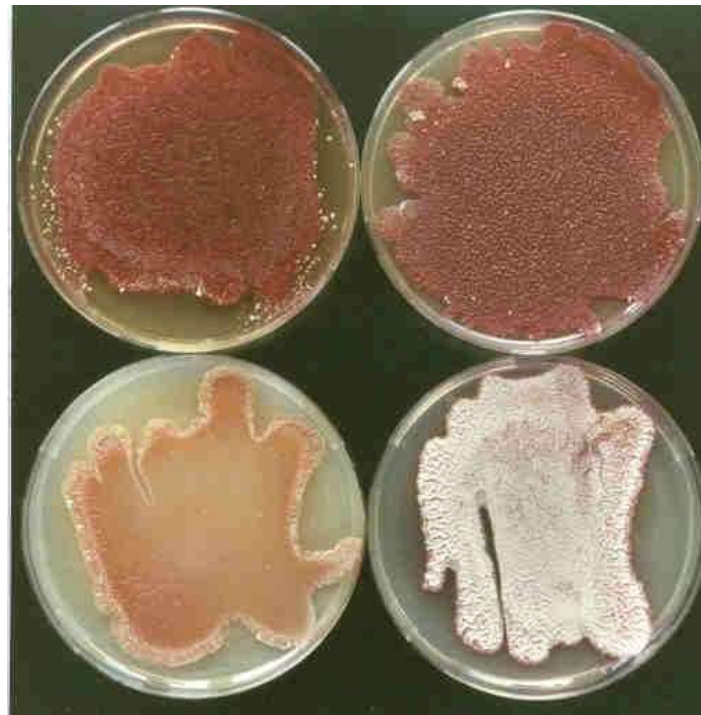
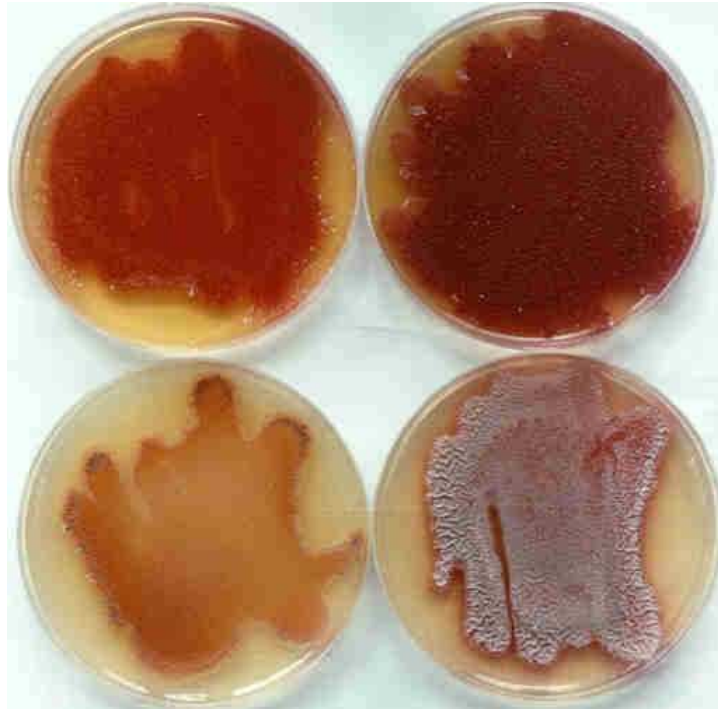
Carbon utilization:

Glu Ara Suc Xyl Ino Man Fru Rha Raf Cel

Enzymes:

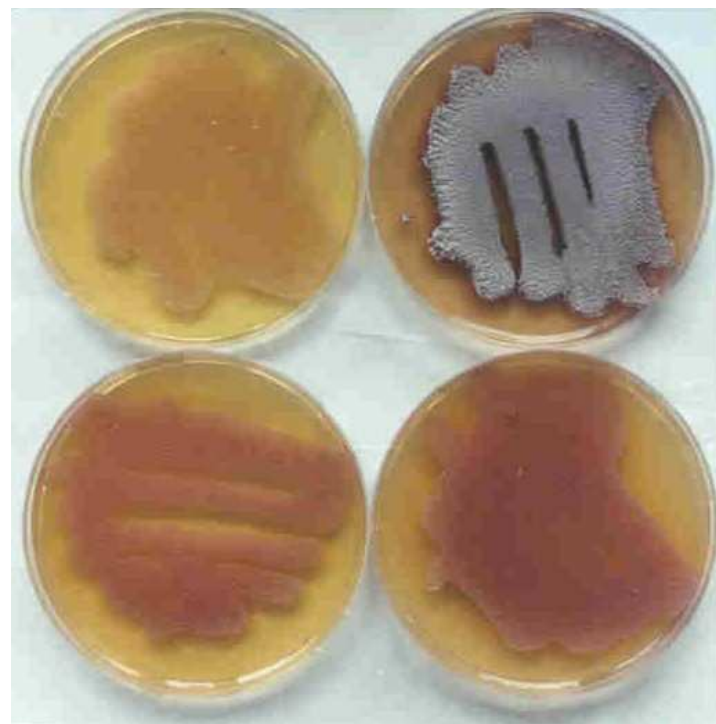
Gel Cit Ure Arg Onp Trp Lys Odc VP Ind H2S
+ + + + + - + + + - -

Comments:



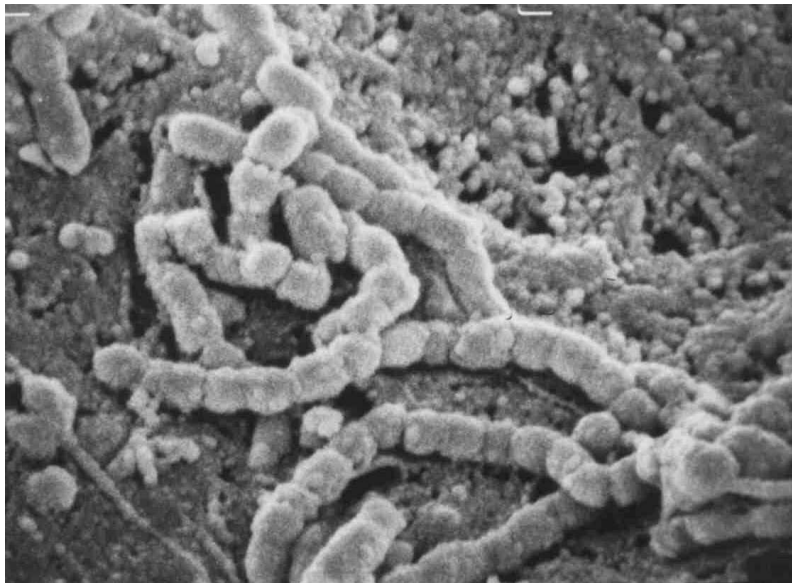
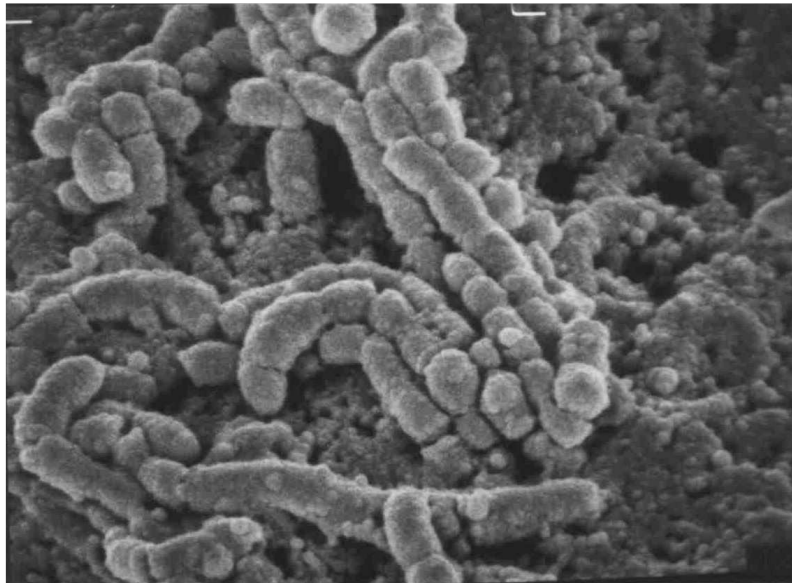
Streptomyces violaceorubidus

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



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



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Spore chain morphology and spore surface in SEM