

Name: ***Saccharomonospora viridis***

Authors: (Schuurmans et al. 1956) Nonomura and Ohara 1971

Status: Approved Lists

Literature: Int. J. Syst. Bacteriol. 30:360 (AL)

Risk group: 1 (German classification)

Type strain: ATCC 15386, CBS 484.63, DSM 43017, IFO 12207, IMET 9550, NRRL B-3044

Lit.: Nonomura H., and Y. Ohara. 1971
Distribution of actinomycetes in soil. X.
New genus and species of monosporic *Actinomycetes*.
J. Ferment. Technol. 49: 895-903

Fatty acid pattern of *Saccharomonospora viridis*:

14 : 0	Iso	2,0
15 : 0	Iso	14,0
15 : 0	Anteiso	4,0
15 : 0		1,0
16 : 0	Iso	24,0
16 : 1	Cis 9	3,0
16 : 0		3,0
16 : 0	methyl	2,0
17 : 0	Iso	16,0
17 : 0	Anteiso	23,0
17 : 1	Cis 9	2,0
16 : 0	Iso 2 OH	7,0
17 : 0		3,0
17 : 0	10 methyl	1,5
18 : 0		2,5

Genus: *Saccharomonospora*

FH 2119

Species: *viridis*

Numbers in other collections: CBS 484.63

Morphology:

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

Spore chains:

Spore surface: smooth

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:

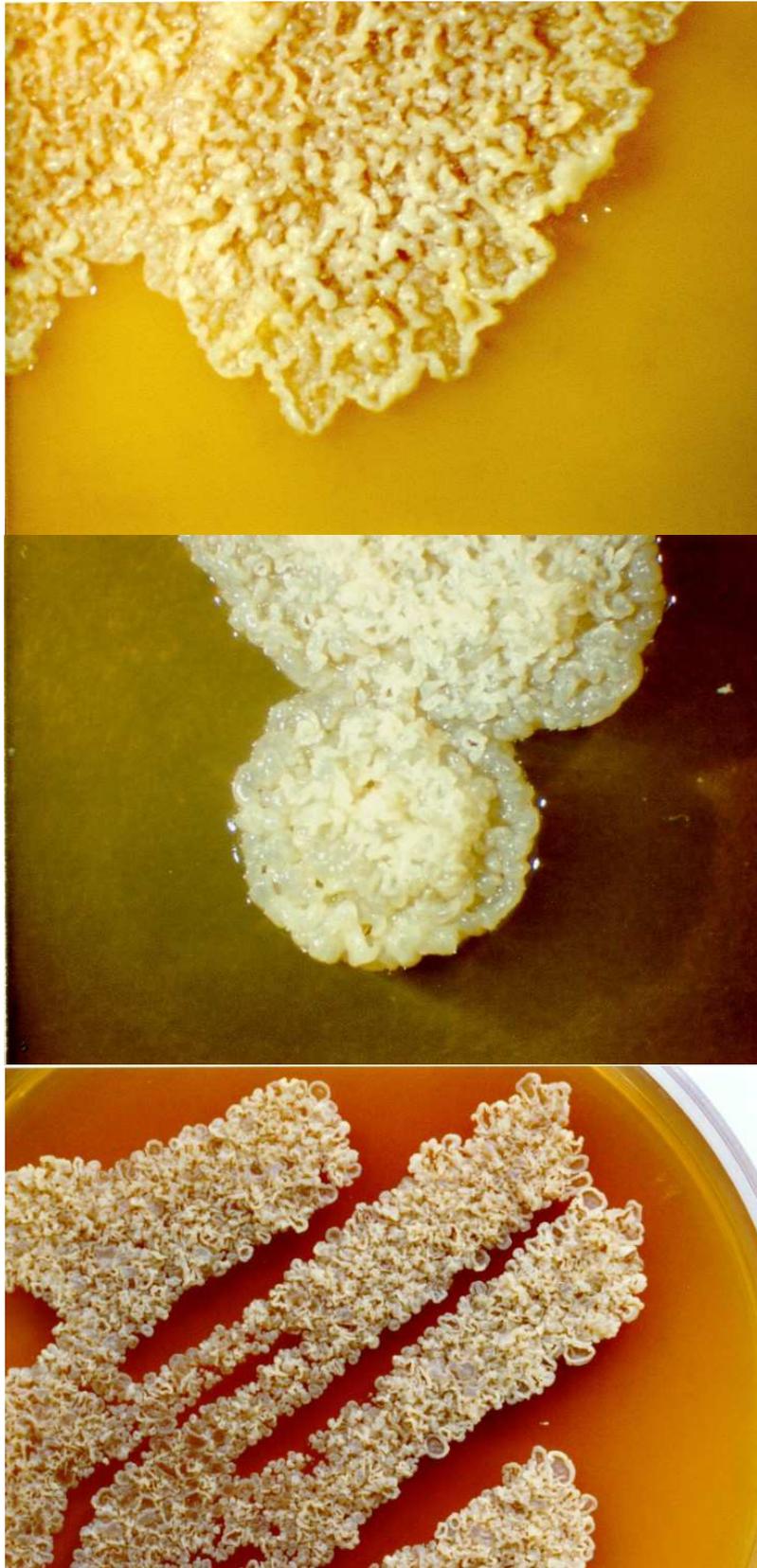
Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
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Saccharomonospora viridis

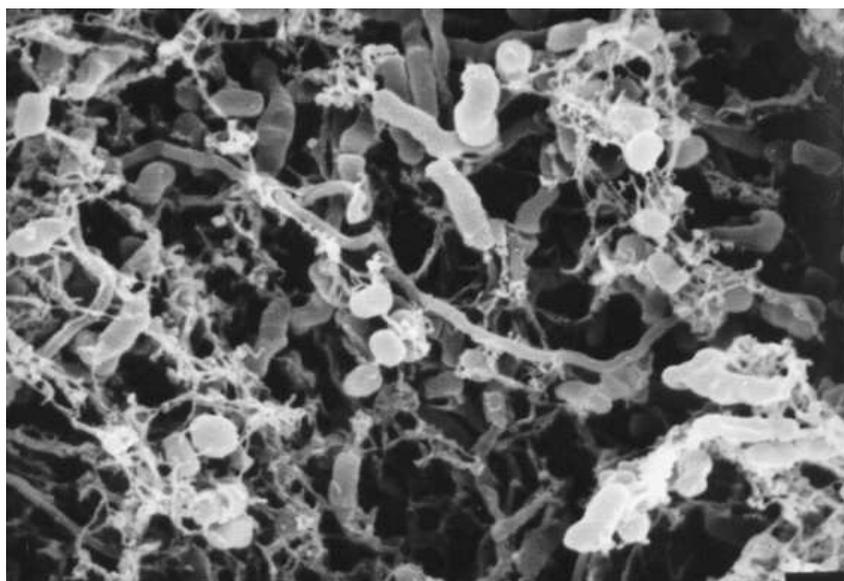
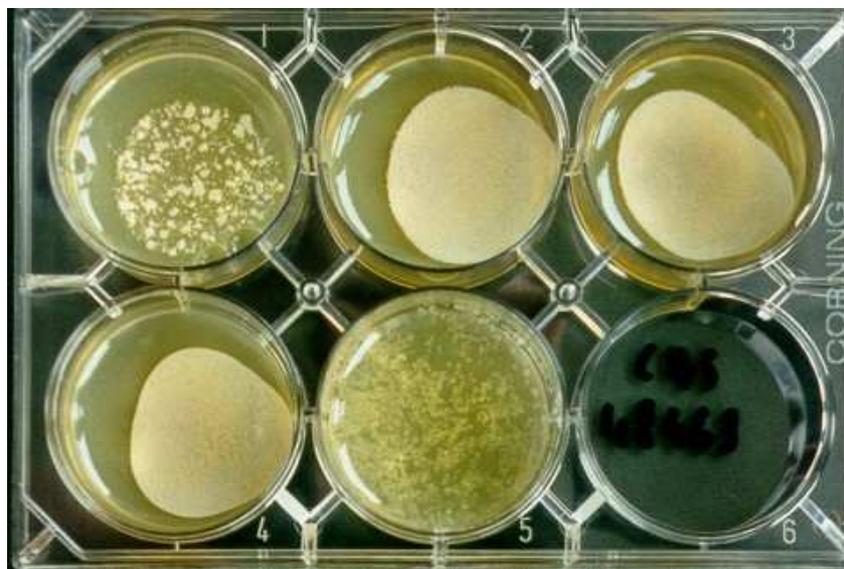
A – Agar plates medium 5265, 5315, 5317 and 5323

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



Saccharomonospora viridis

C – E Colony formation on medium 5327, soil medium and medium 5294
(from the top)



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F – Sodium chloride tolerance

G – Single spores in aerial mycelium (SEM x 7.500)