

Name:	<i>Micromonospora chersina</i>
Authors:	Tomita et al. 1992
Status:	New Species
Literature:	Int. J. Syst. Bacteriol. 42:656 (validation list)
Risk group:	1 (German classification)
Type strain:	ATCC 53710, DSM 44151, M956-1

Genus: *Micromonospora*

FH 2440

Species: *chersinia*

Numbers in other collections: ATCC 53710

Morphology:

	G	R
<u>ISP 2</u>	good	orange brown
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	orange brown
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	orange brown
	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	orange brown
	A	SP
	white	none
	G	R
<u>ISP 6</u>	sparse	signal orange
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	orange brown
	A	SP
	none	none

Spore chains:

Spore surface:

Sporangia:

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance: 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-



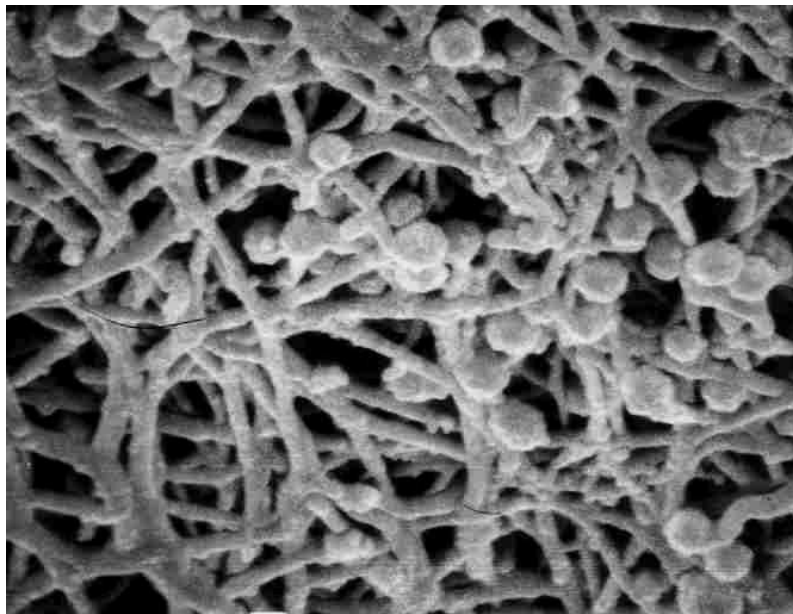
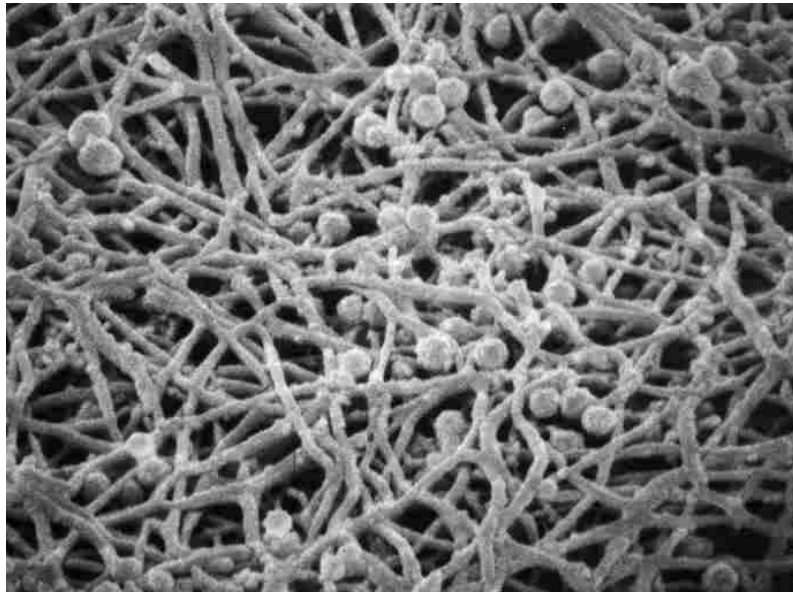
Micromonospora chersinia

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



Micromonospora chersinia

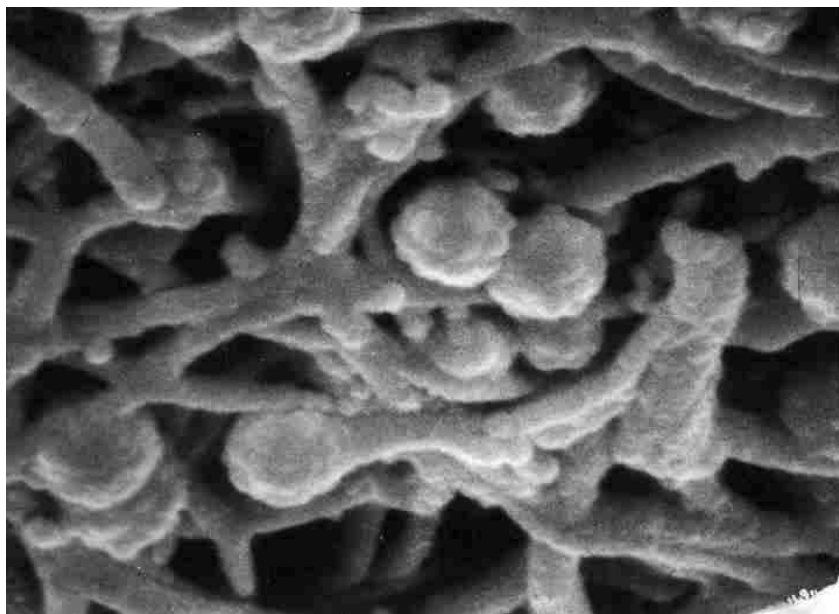
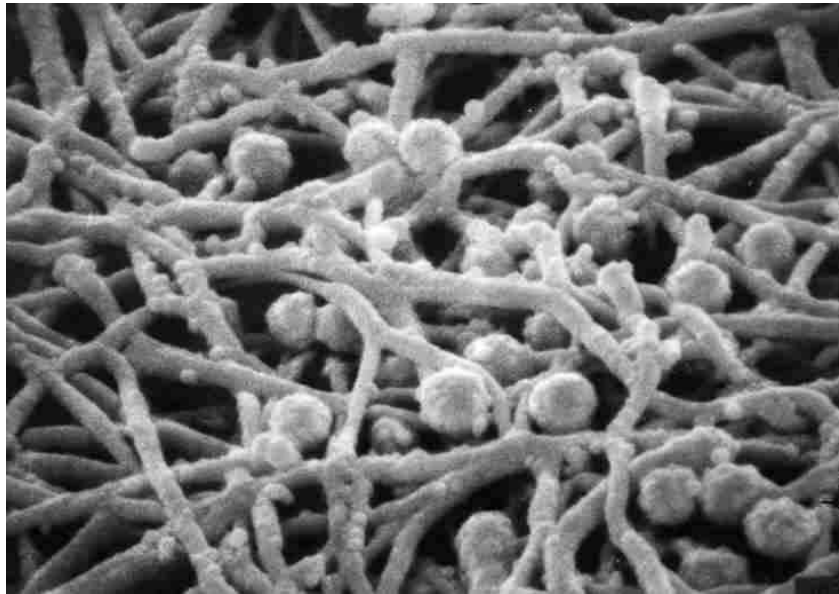
C and D – Agar plates medium 5318, 5322, 5337 with and without tyrosine



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Spore formation (SEM)

E x 5.000 F x 7.500



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Single spores in SEM
G x 10.000 H x 15.000