

Name: ***Streptomyces thermovulgaris***

Authors: Henssen 1957

Status: Approved Lists

Reference(s): Int. J. Syst. Bacteriol. 30:402 (AL)

Risk group: 1 (German classification)

Comment: synonymy: IJSB 49:14\*

Type strain: ATCC 19284, DSM 40444

Other names: *Streptomyces thermonitrificans*  
(subjective synonym)

**Genus:** *Streptomyces*

FH 2080

**Species:** *thermovulgaris*

**Numbers in other collections:** DSM 40787

Morphology:

	G	R
<u>ISP 2</u>	good	brown
	A	SP
	grey	none
	G	R
<u>ISP 3</u>	good	grey
	A	SP
	grey	none
	G	R
<u>ISP 4</u>	good	grey green
	A	SP
	grey	none
	G	R
<u>ISP 5</u>	good	brown
	A	SP
	grey	none
	G	R
<u>ISP 6</u>	good	brown
	A	SP
	grey	none
	G	R
<u>ISP 7</u>	good	brown
	A	SP
	grey	none

Spore chains: Rf

Spore surface: smooth

Sporangia:

Fragmentation:

Melanoid pigment: -

NaCl resistance: -

Lysozyme resistance: -

pH: Value-

Optimum-

Temperature : Value- 10-50 °C

Optimum- 40°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:



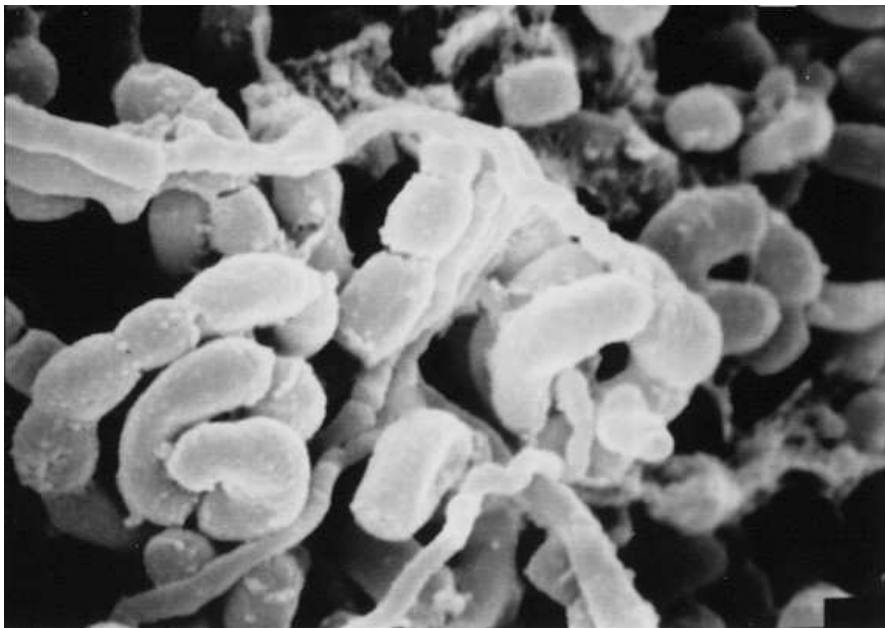
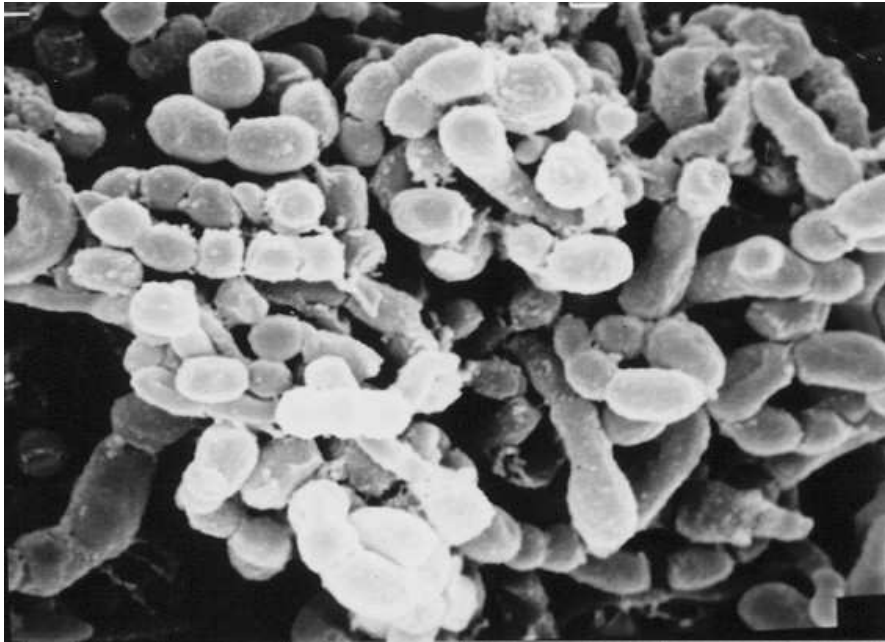
***Streptomyces thermovulgaris***

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



***Streptomyces thermovulgaris***

C and D – Microplate with ISP- and melanin media



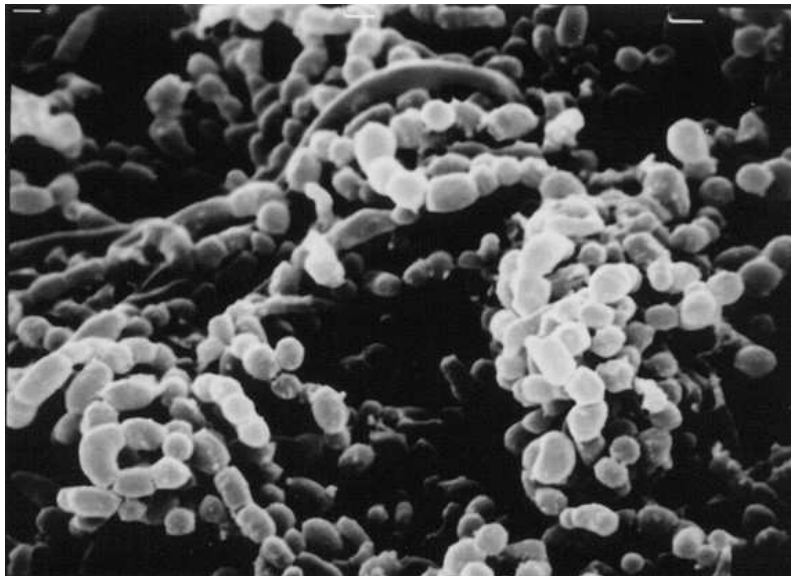
***Streptomyces thermovulgaris***

Spore chain morphology and spore surface in SEM

E x 7.500 F x 10.000



Name:	<b><i>Streptomyces thermonitrificans</i></b>
Authors:	Desai and Dhala 1967
Status:	Subjective Synonym
Reference(s):	Int. J. Syst. Bacteriol. 30:402 (AL)
Risk group:	1 (German classification)
Comment:	synonymy: IJSB 49:14*
Type strain:	ATCC 23385, IMET 43405
Reclassified:	<b><i>Streptomyces thermovulgaris</i></b>



***Streptomyces thermonitrificans***

Spore chain morphology and spore surface in SEM (x 10.000)

**Genus:** *Streptomyces*

FH 2094

**Species:** *thermnitrificans*

**Numbers in other collections:** DSM 40579

Morphology:

	G	R
<u>ISP 2</u>	good	brown
	A	SP
	grey	none
	G	R
<u>ISP 3</u>	good	grey
	A	SP
	grey	none
	G	R
<u>ISP 4</u>	good	grey green
	A	SP
	grey	none
	G	R
<u>ISP 5</u>	good	brown
	A	SP
	grey	none
	G	R
<u>ISP 6</u>	good	brown
	A	SP
	grey	none
	G	R
<u>ISP 7</u>	good	brown
	A	SP
	grey	none

Spore chains: Rf

Spore surface: smooth

Sporangia:

Fragmentation:

Melanoid pigment: -

NaCl resistance: -

Lysozyme resistance: -

pH: Value-

Optimum-

Temperature : Value- 10-50 °C

Optimum- 40°C

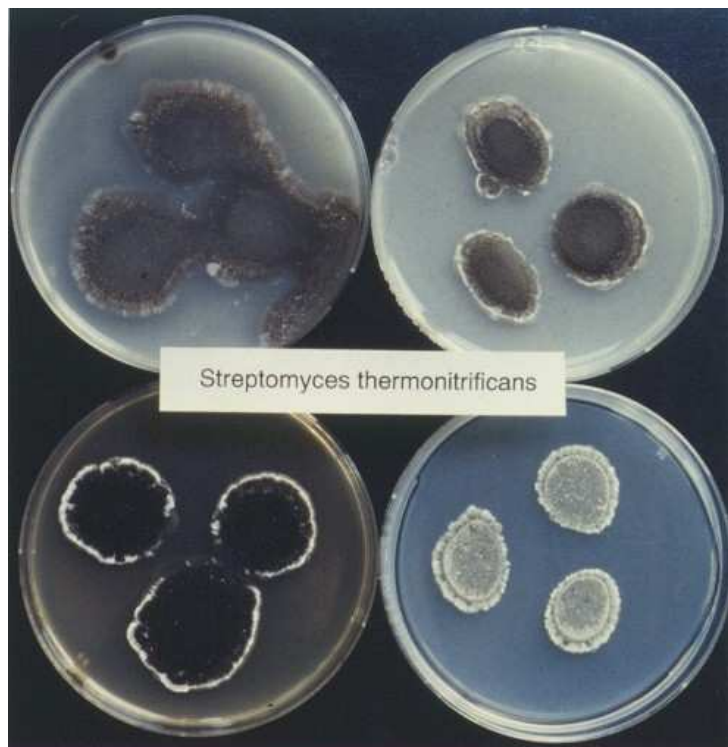
Carbon utilization:

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

Enzymes:

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

Comments:



***Streptomyces thermonitrificans***

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





***Streptomyces thermonitrificans***

C and D – Agar plates medium 5006, 5265 and 5315



***Streptomyces thermonitrificans***

E and F – Microplate with ISP- and melanin media