

Name: ***Streptomyces thermocarboxydovorans***

Authors: Kim et al. 1998

Status: New Species

Reference(s): Int. J. Syst. Bacteriol. 48:65

Risk group: 1 (German classification)

Type strain: AT52, DSM 44296

Author(s) Kim, S. B., Falconer, C., Williams, E., Goodfellow, M.
Title *Streptomyces thermocarboxydovorans* sp. nov. and
Streptomyces thermocarboxydus sp. nov., two moderately
thermophilic carboxydotrophic species from soil.
Journal Int. J. Syst. Bacteriol.
Volume 48
Page(s) 59-68
Year 1998

Genus: *Streptomyces*

FH 2929

Species: *thermocarboxydovorans*

Numbers in other collections: DSM 44296

Morphology:

<u>ISP 2</u>	G	R
	good	dahlia yellow
	A	SP
<u>ISP 3</u>	White	none
	G	R
	good	colorless
<u>ISP 4</u>	A	SP
	white	none
	G	R
<u>ISP 5</u>	good	colorless
	A	SP
	white	none
<u>ISP 6</u>	G	R
	good	colorless
	A	SP
<u>ISP 7</u>	None	none
	G	R
	good	colorless
	A	SP
	white	none

Spore chains: RF

Spore surface: smooth

Sporangia:

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance: 5 %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 45 °C

Carbon utilization:

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

Enzymes:

Gel	Cit	Ure	Arg	Onp	Trp nd	Lys	Odc	VP	Ind	H2S
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Comments:



Streptomyces thermocarboxydovorans

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