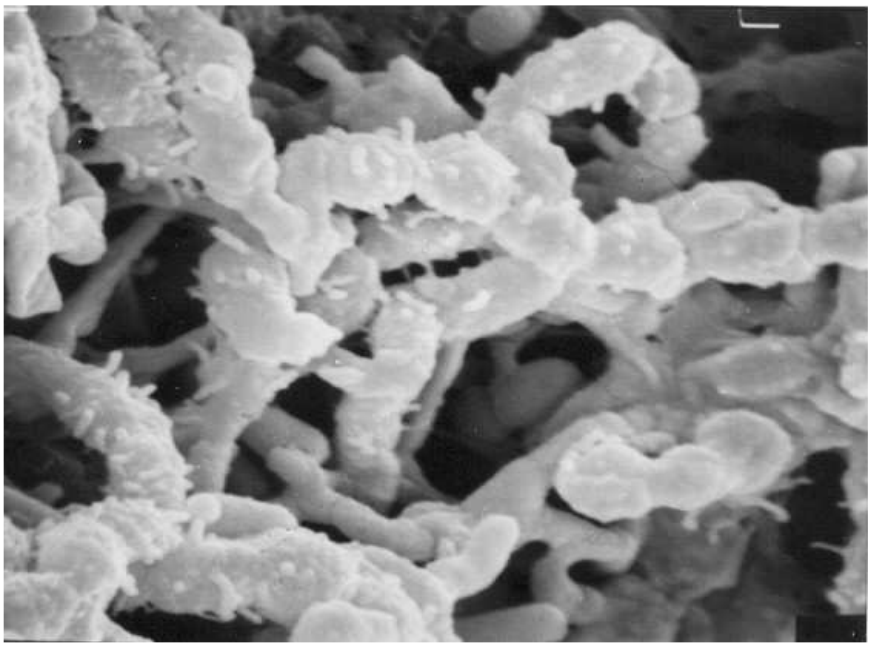
Name:	***Streptomyces werraensis***
Authors:	Wallhäusser et al. 1964
Status:	Approved Lists
Reference(s):	Int. J. Syst. Bacteriol. 30:405 (AL)
Risk group:	1 (German classification)
Type strain:	ATCC 14424, DSM 40486



Streptomyces werraensis
Spore surface in SEM (x 10.000)

Genus: ***Streptomyces*** **FH 1282**
Species: ***werraensis***
Numbers in other collections: ATCC 14424

Morphology:

	G	R
ISP 2	good	yellow
	A	SP
	white/yellow	none
	G	R
ISP 3	good	ivory
	A	SP
	white/grey	none
	G	R
ISP 4	good	ivory
	A	SP
	grey	brown
	G	R
ISP 5	good	yellow/green
	A	SP
	grey	none
	G	R
ISP 6		
	A	SP
	G	R
ISP 7		
	A	SP

Spore chains: RF
Spore surface: warty
Sporangia:
Fragmentation:

Melanoid pigment: -
NaCl resistance: 2,5 %
Lysozyme resistance:
pH: Value- Optimum-
Temperature : Value- Optimum- 30℃

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: Strain produces Werramycin

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

Streptomyces werraensis
C and D – Microplate with ISP- and melanin media