

- Name: ***Nonomuraea polychroma***
- Authors: (Galatenko et al. 1987) Zhang et al. 1998
- Status: New Combination, Corrected Name
- Literature: Int. J. Syst. Bacteriol. 48:419
- Risk group: 1 (German classification)
- Comment: nom. corrig.: IJSB 49:1623*; *Nonomuria polychroma* (sic)
- Type strain: ATCC 49500, DSM 43925, IFO 14345, IMET 9743, INA 2755, VKM Ac 1084
- Synonyms: *Actinomadura polychroma* (basonym),
Microtetraspora polychroma (basonym)
- Author(s) Galatenko, O. A., Terekhova, L. P., Preobrazhenskaya, T. P.
Title New *Actinomadura* species isolated from Turkmen soil samples and their antagonistic properties.
Journal Antibiotiki
Volume 26
Page(s) 803-807
Year 1981
- Author(s) Zhang, Z., Wang, Y., Ruan, J.
Title Reclassification of *Thermomonospora* and *Microtetraspora*.
Journal Int. J. Syst. Bacteriol.
Volume 48
Page(s) 411-422
Year 1998
- Fatty acid pattern:
- | | | | |
|-----------------|------|-----------------|-----|
| 14 : 0 Iso | 1,0 | 16 : 0 Iso 2 OH | 2,0 |
| 14 : 0 | 2,0 | 17 : 0 | 7,0 |
| 15 : 0 Iso | 5,0 | 17 : 0 10methyl | 9,0 |
| 15 : 0 | 5,0 | 18 : 0 Iso | 1,0 |
| 16 : 0 Iso | 23,0 | 18 : 1 cis9 | 5,0 |
| 16 : 1 cis 9 | 3,0 | 18 : 0 | 3,0 |
| 16 : 0 | 18,0 | | |
| 16 : 0 10methyl | 2,0 | | |
| 17 : 0 Iso | 2,0 | | |
| 17 : 1 cis9 | 7,0 | | |

Genus: *Nonomuraea*

FH 2462

Species: *polychroma*

Numbers in other collections: ATCC 49500

Former Actinomadura polychroma

Morphology:

	G	R
<u>ISP 2</u>	good	ochre yellow
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	opal green
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	opal green
	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	opal green
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	ochre yellow
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	opal green
	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
+	-	-	-	-	-	-	-	-	-

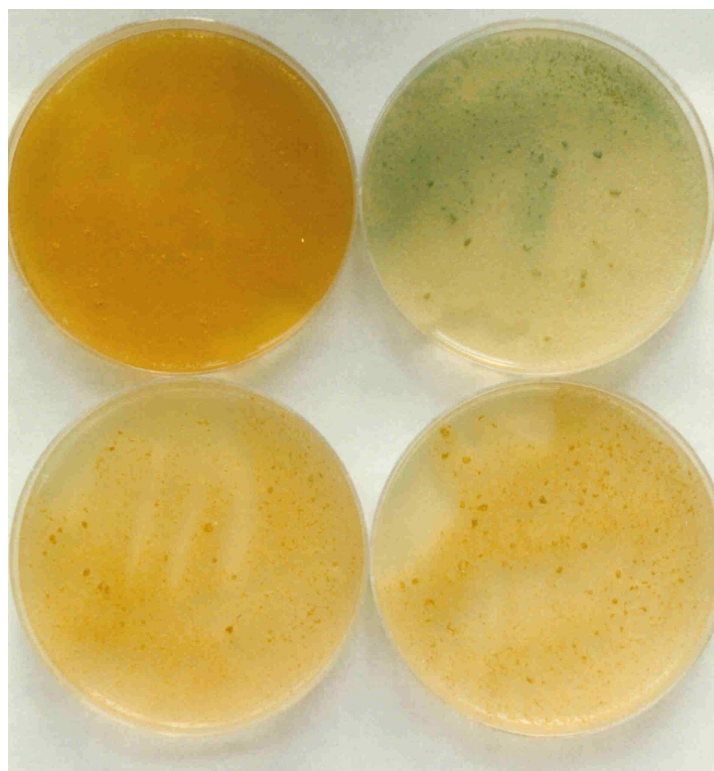
Enzymes:

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+			



Nonomuraea polychroma

A and B –Agar plates medium 5006, 5265, 5315 and 5323



Nonomuraea polychroma

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