

Name: *Saccharothrix longispora*  
Authors: (Preobrazhenskaya and Sveshnikova 1974)  
Grund and Kroppenstedt 1990  
Status: New Combination  
Literature: Int. J. Syst. Bacteriol. 40:320 (validation list)  
Risk group: 1 (German classification)  
Type strain: ATCC 35109, DSM 43749, INA 10222  
Synonyms: *Actinomadura longispora* (basonym),  
*Nocardioopsis longispora* (basonym)

Author(s) Preobrazhenskaya, T. P., Sveshnikova, M. A., Gauze, G. F.  
Title On the transfer of certain species of the genus *Actinomadura*  
Lechevalier and Lechevalier 1970 to the genus *Nocardioopsis*  
Meyer 1976.  
Journal Mikrobiologiya  
Volume 51  
Page(s) 111-113  
Year 1982

Fatty acid pattern:

14 : 0	Iso	3,0
15 : 1	Iso G	4,0
15 : 0	Iso	16,0
15 : 0	Anteiso	9,0
16 : 1	Iso G	2,0
16 : 0	Iso	20,0
16 : 1	Cis 9	2,0
16 : 0		2,0
16 : 0	methyl	5,0
17 : 0	Iso	9,0
17 : 0	Anteiso	11,0
17 : 1	Cis 9	4,0
16 : 0	Iso 2 OH	2,5
17 : 0		3,0
17 : 0	methyl	1,0
18 : 0	Iso	1,5
18 : 0		2,5

**Genus:** *Saccharothrix* **FH 2386**  
**Species:** *longispora*  
**Numbers in other collections:** **DSM 43749**

Morphology:

	G	R
<u>ISP 2</u>	good	yellow orange
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	yellow orange
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	yellow orange
	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	dahlia yellow
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	yellow orange
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	yellow orange
	A	SP
	none	none

Spore chains:

Spore surface:

Sporangia:

Fragmentation:

**Melanoid pigment:** - - + -

**NaCl resistance:** 5 %

**Lysozyme resistance:**

**pH:** Value- Optimum-

**Temperature :** Value- Optimum- 28 °C

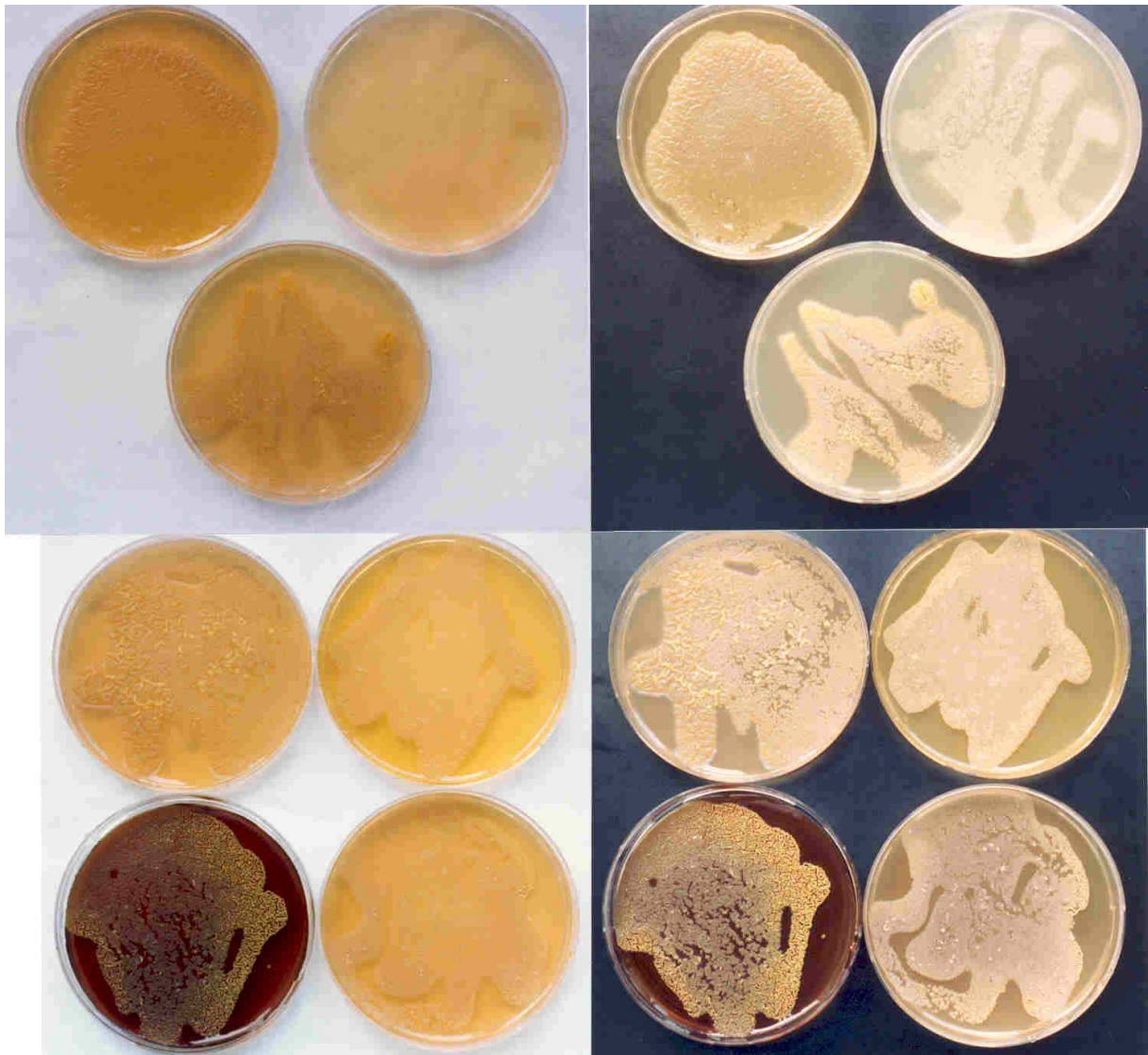
**Carbon utilization:**

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-			

**Comments:**



***Saccharothrix longispora***

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

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