

Name: *Saccharothrix espanaensis*
Authors: Labeda and Lechevalier 1989
Status: New Species
Literature: Int. J. Syst. Bacteriol. 39:420
Risk group: 1 (German classification)
Type strain: DSM 44229, LL-C19004-NS29, NRRL 15764,
NRRL B-15764

Author(s) Labeda, D. P., Lechevalier, M. P.
Title Amendment of the genus *Saccharothrix* Labeda et al. 1984
and descriptions of *Saccharothrix espanaensis* sp. nov.,
Saccharothrix cryophilis sp. nov, and *Saccharothrix mutabilis*
comb. nov.
Journal Int. J. Syst. Bacteriol.
Volume 39
Page(s) 420-423
Year 1989

Fatty acid pattern:

14 : 0	Iso	2,5
15 : 1	Iso G	1,5
15 : 0	Iso	17,0
15 : 0	Anteiso	4,5
16 : 1	Iso H	2,0
16 : 0	Iso	25,0
16 : 1	Cis 9	1,0
16 : 0		4,0
16 : 0	methyl	4,0
17 : 0	Iso	11,0
17 : 0	Anteiso	12,0
17 : 1	Cis 9	1,5
16 : 0	Iso 2 OH	2,5
17 : 0		1,5
18 : 0	Iso	1,5
18 : 1	Cis 9	1,5
18 : 0		1,5

Genus: *Saccharothrix*

FH 2824

Species: *espanaensis*

Numbers in other collections: ATCC 51144

Morphology:

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

Spore chains:

Spore surface:

Sporangia: -

Fragmentation: -

Melanoid pigment: - - - -

NaCl resistance: 2.5 %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum-

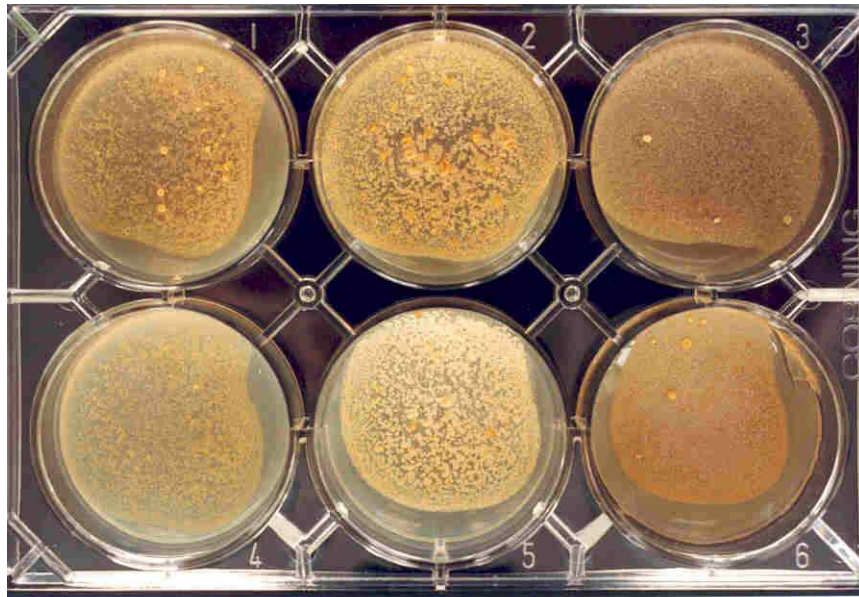
Carbon utilization:

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 espanaensis

A and B – Agar plates medium 5006, 5265, 5425 and 5315

C – Microplate with ISP- and melanin media

Genus: *Saccharothrix*

FH 2872

Species: *espanaensis*

Numbers in other collections: NRRL B-15764

Morphology:

	G	R
<u>ISP 2</u>	good	ocher brown
	A	SP
	none	ocher brown
	G	R
<u>ISP 3</u>	sparse	light ivory
	A	SP
	none	light ivory
	G	R
<u>ISP 4</u>	good	light ivory
	A	SP
	none	light ivory
	G	R
<u>ISP 5</u>	good	pastel yellow
	A	SP
	none	sand yellow
	G	R
<u>ISP 6</u>	good	olive brown
	A	SP
	none	olive brown
	G	R
<u>ISP 7</u>	good	pastel yellow
	A	SP
	none	sand yellow

Spore chains:

Spore surface:

Sporangia:

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance: 2.5 %

Lysozyme resistance:

pH: Value-

Optimum-

Temperature : Value-

Optimum-

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 espanaensis

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

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