

Name: ***Salinispora arenicola***

Authors: Maldonado et al. 2005

Status: New Species

Reference: Int. J. Syst. Evol. Microbiol. 55:1764

Risk group: 1 (German classification)

Type strain: ATCC BAA-917, CNH-643, DSM 44819

Author: Maldonado, L. A., Fenical, W., Jensen, P. R.,  
Kauffman, C. A., Mincer, T. J., Ward, A. C., Bull, A. T.,  
Goodfellow, M.

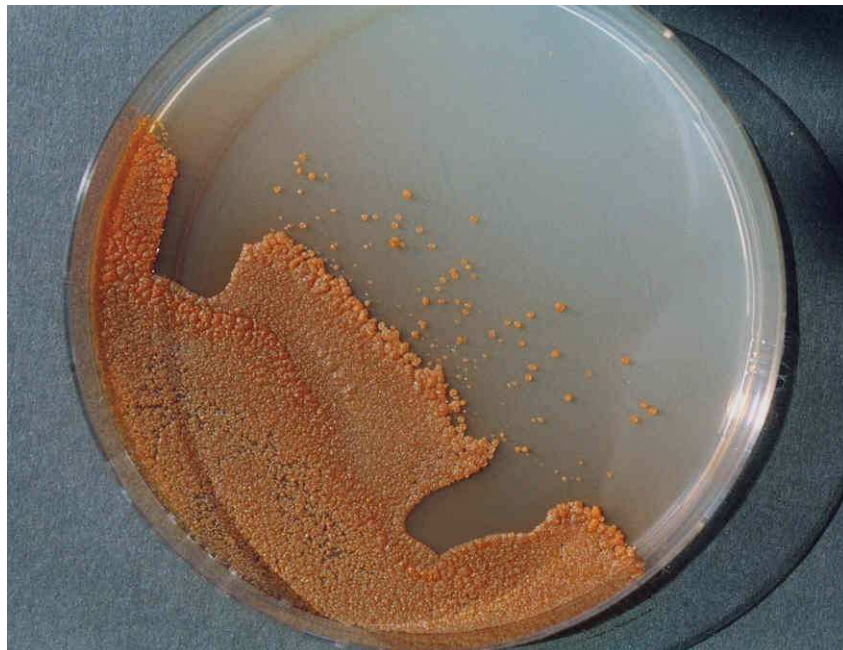
Title: *Salinispora arenicola* gen. nov., sp. nov. and *Salinispora  
tropica* sp. nov., obligate marine actinomycetes belonging to  
the family *Micromonosporaceae*.

Journal: Int. J. Syst. Evol. Microbiol.

Volume: 55

Page: 1759-1766

Year: 2005



**Genus:** *Salinispora*

FH 6603

**Species:** *arenicola*

Numbers in other collections: DSM 44819

Morphology:

	G	R
<u>ISP 2</u>	slow	deep orange
	A	SP
	none	none
	G	R
<u>ISP 3</u>	slow	deep orange
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	pearl orange
	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	pearl orange
	A	SP
	none	none
	G	R
<u>ISP 6</u>	none	
	A	SP
	G	R
<u>ISP 7</u>	good	pearl orange
	A	SP
	none	none

Melanoid pigment: - - - -

NaCl resistance: good growth (pale orange) on marine medium (DSM 1009)

Lysozyme resistance:

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

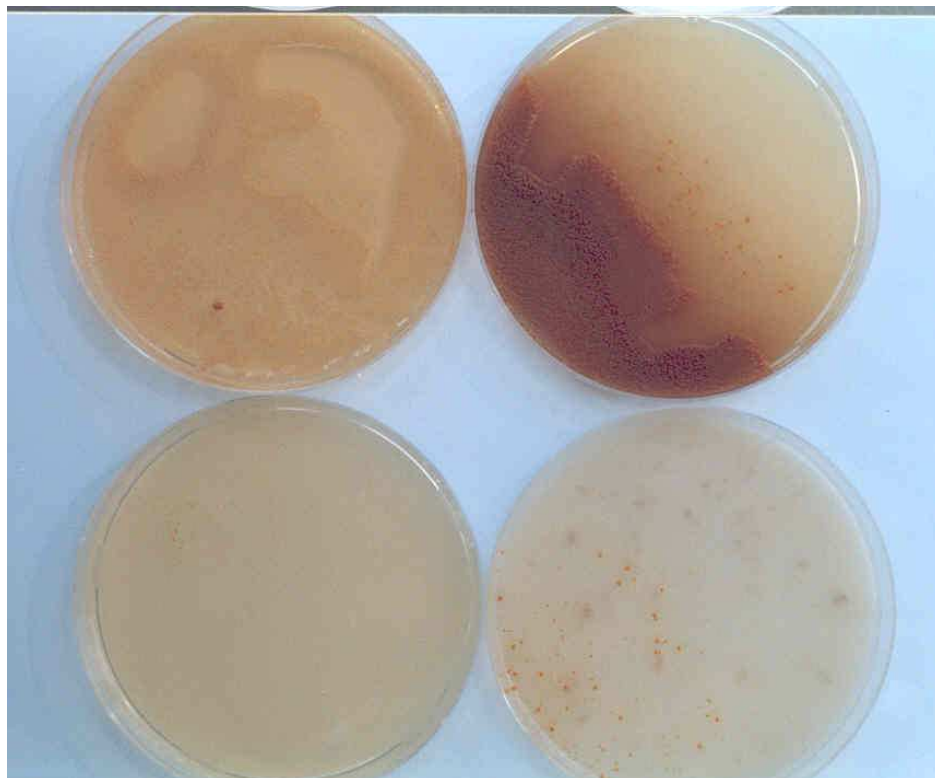
Carbon utilization:

Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
				n.d.					

Enzymes:

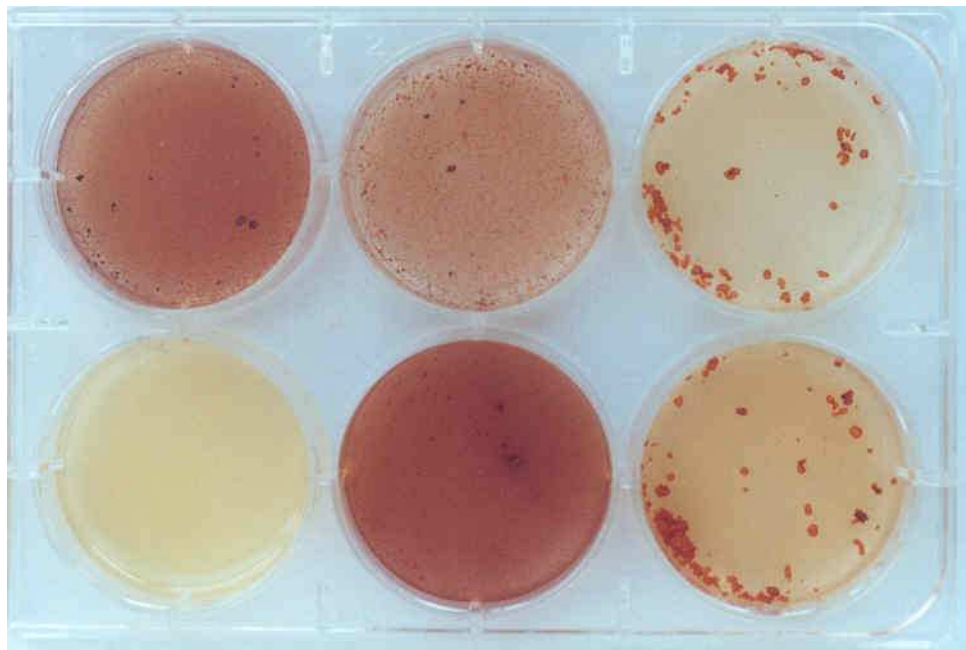
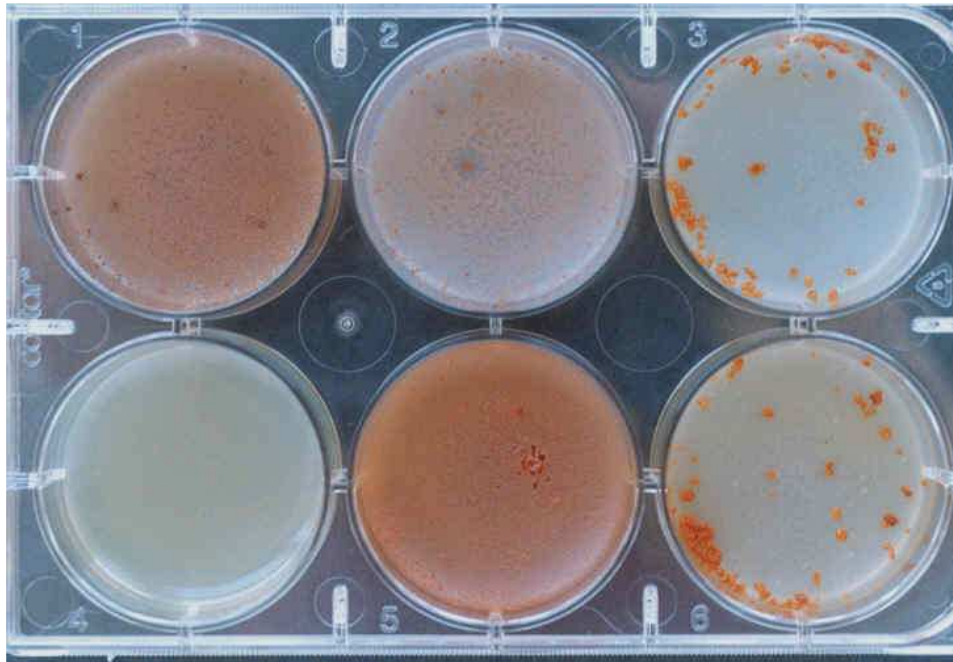
2 +	3-	4-	5-	6+	7-	8-	9(+)	10-	11-
12(+)	13-	14-	15-	16-	17+	18-	19(+)	20-	

Comments: Good growth on medium 5006 (deep orange to blackbrown)



***Salinispora arenicola***

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



***Salinispora arenicola***

C and D – Microplate with ISP- and melanin media