

Name: ***Isoptericola halotolerans***

Authors: Zhang et al. 2005

Status: New Species

Reference: Int. J. Syst. Evol. Microbiol. 55:1869

Risk group: 1 (German classification)

Type strain: DSM 16376, KCTC 19046, YIM 70177

Author: Zhang, Y.-Q., Schumann, P., Li, W.-J., Chen, G.-Z., Tian, X. -P., Stackebrandt, E., Xu, L.-H., Jiang, C.-L.

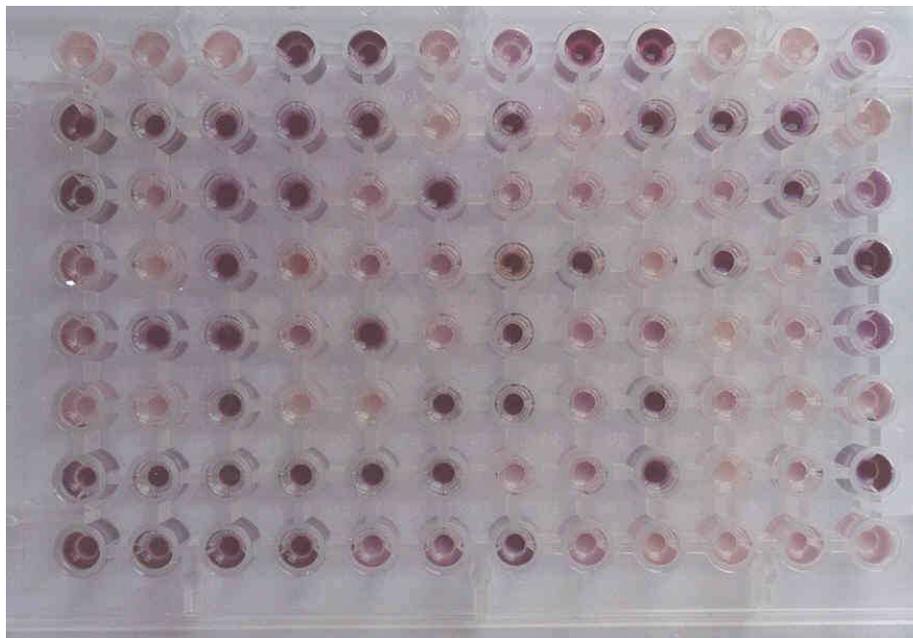
Title: *Isoptericola halotolerans* sp. nov., a novel actinobacterium isolated from saline soil from Qinghai Province, north-west China.

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

Volume: 55

Page: 1867-1870

Year: 2005



Biolog GP2 plate

Genus: *Isoptericola*

FH 6599

Species: *halotolerans*

Numbers in other collections: DSM 16376

Morphology:

	G	R
<u>ISP 2</u>	good	cream
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	cream
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	cream
	A	SP
	none	none
	G	R
<u>ISP 5</u>	sparse	
	A	SP
	G	R
<u>ISP 6</u>	good	cream
	A	SP
	none	none
<u>ISP 7</u>	G	R
	sparse	
	A	SP

Melanoid pigment: - - - -

NaCl resistance: 10 %

Lysozyme resistance:

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

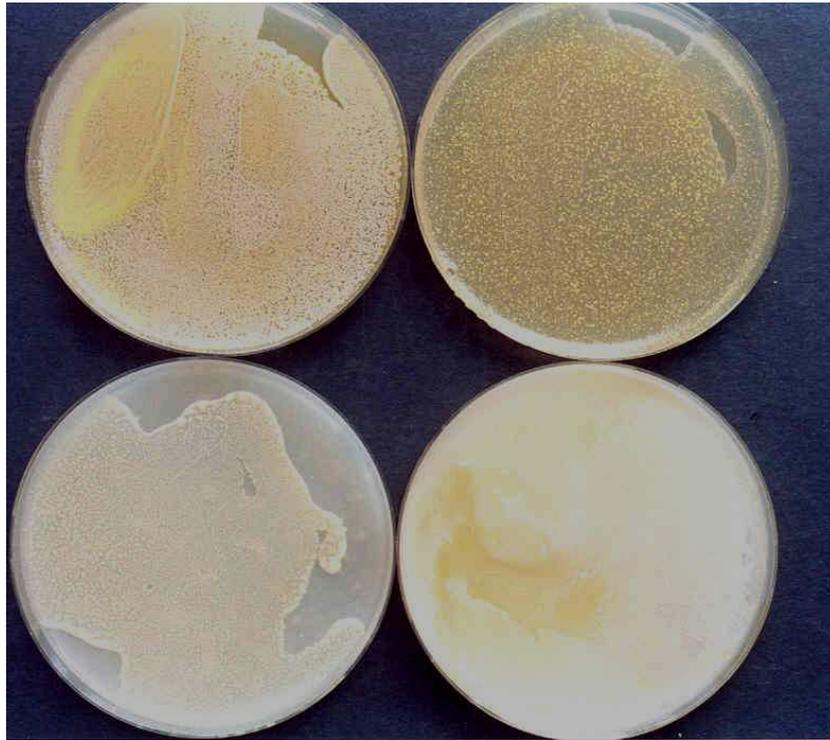
Carbon utilization:

Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
+	+	+	-	-	+	+	+	+	+

Enzymes:

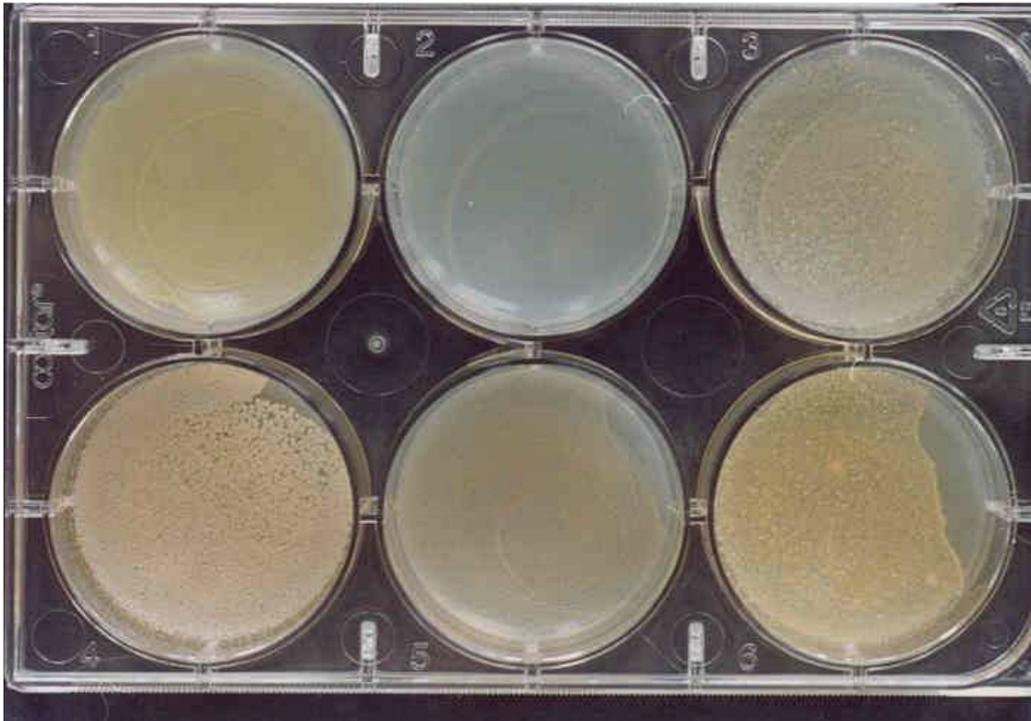
2+	3+	4+	5-	6+	7-	8-	9+	10+	11(+)	
12-	13+	14+	15-	16+	17+	18-	19-	20-		
Nit	Pyz	Pyr	Pal	βGur	βGal	αGlu	βNag	Esc	Ure	Gel
-	-	-	+	-	+	+	+	+	+	+
Glu	Rib	Xyl	Man	Mal	Lac	Sac	Glyg			

Comments: good growth on medium 5006 (cream)



Isoptericola halotolerans

A and B – Agar plates medium 5006, 5265, 5315 and 5329



Isoptericola halotolerans

C – Microplate with ISP- and melanin media

D – Api Zym (lower) and Coryne