

Name: ***Corynebacterium halotolerans***

Authors: Chen et al. 2004

Status: New Species

Reference(s): Int. J. Syst. Evol. Microbiol. 54:781

Risk group: ?

Type strain: DSM 44683

Author(s) Chen, H-H., Li, W-J., Tang, S-K., Kroppenstedt, R. M.,
Stackebrandt, E., Xu, L-H., and Jiang C-L.

Title *Corynebacterium halotolerans* sp. nov., isolated from saline
Soil in the west of China

Journal Int. J. Syst. Evol. Microbiol.

Volume 54

Page(s) 779-782

Year 2004

Genus: *Corynebacterium* **FH 6517**

Species: *halotolerans*

Numbers in other collections: DSM 44683

Morphology:

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

Melanoid pigment: - - - -

NaCl resistance: %

Lysozyme resistance:

pH: Value- Optimum-
Temperature : Value- Optimum- 37 °C

Carbon utilization:

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

Enzymes:

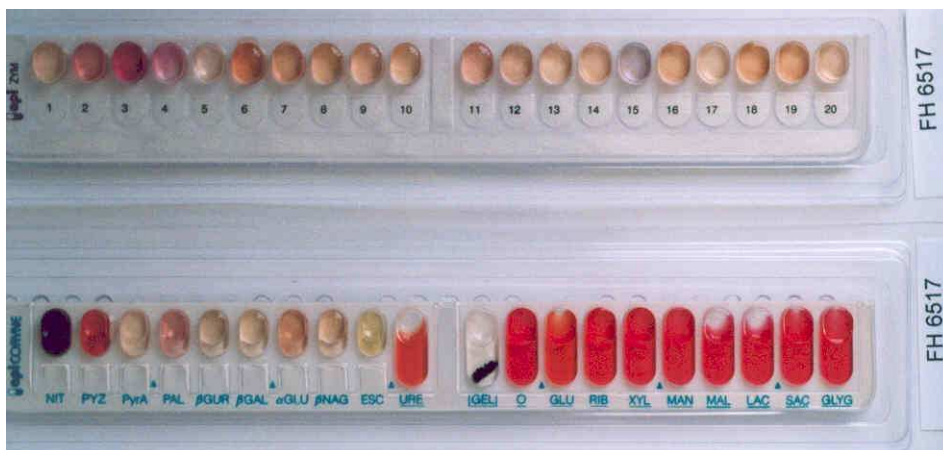
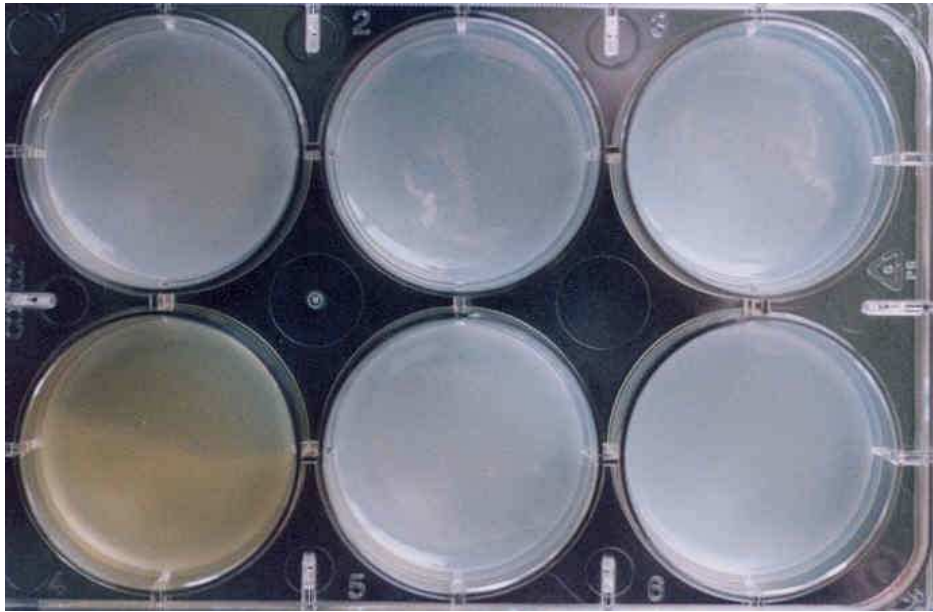
2 +	3 +	4 +	5 -	6 +	7 -	8 -	9 -	10 -	11 -	
12 -	13 -	14 -	15 +	16 -	17 -	18 -	19 -	20 -		
Nit	Pyz	Pyr	Pal	βGur	βGal	αGlu	βNag	Esc	Ure	Gel
+	+	-	+	-	-	-	-	-	(+)	-

Comments: Good growth (zinc yellow) on the medium 5006



Corynebacterium halotolerans

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



Corynebacterium halotolerans

C – Microplate with ISP- and melanin media

D – Api Zym (upper) and Coryne