

Name: *Corynebacterium mastitidis*

Authors: Fernandez-Garayzabal et al. 1997

Status: New Species

Reference(s): Int. J. Syst. Bacteriol. 47:1084

Risk group: 2 (German classification)

Type strain: CECT 4843, DSM 44356, S-8

Author(s) Fernandez-Garayzabal, J. F., Collins, M. D., Hutson, R. A.,  
Fernandez, E., Monasterio, R., Marco, J., Dominguez, L.

Title *Corynebacterium mastitidis* sp. nov., isolated from milk of  
sheep with subclinical mastitis.

Journal Int. J. Syst. Bacteriol.

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Page(s) 1082-1085

Year 1997



**Genus:** *Corynebacterium*

FH 6255

**Species:** *mastitidis*

**Numbers in other collections:** DSM 44356

**Reclassification:**

**Morphology:**

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

**Melanoid pigment:** - - - -

**NaCl resistance:** %

**Lysozyme resistance:**

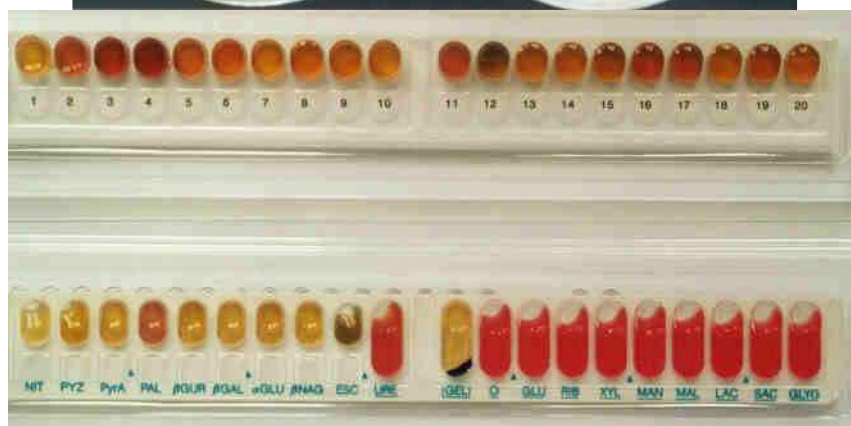
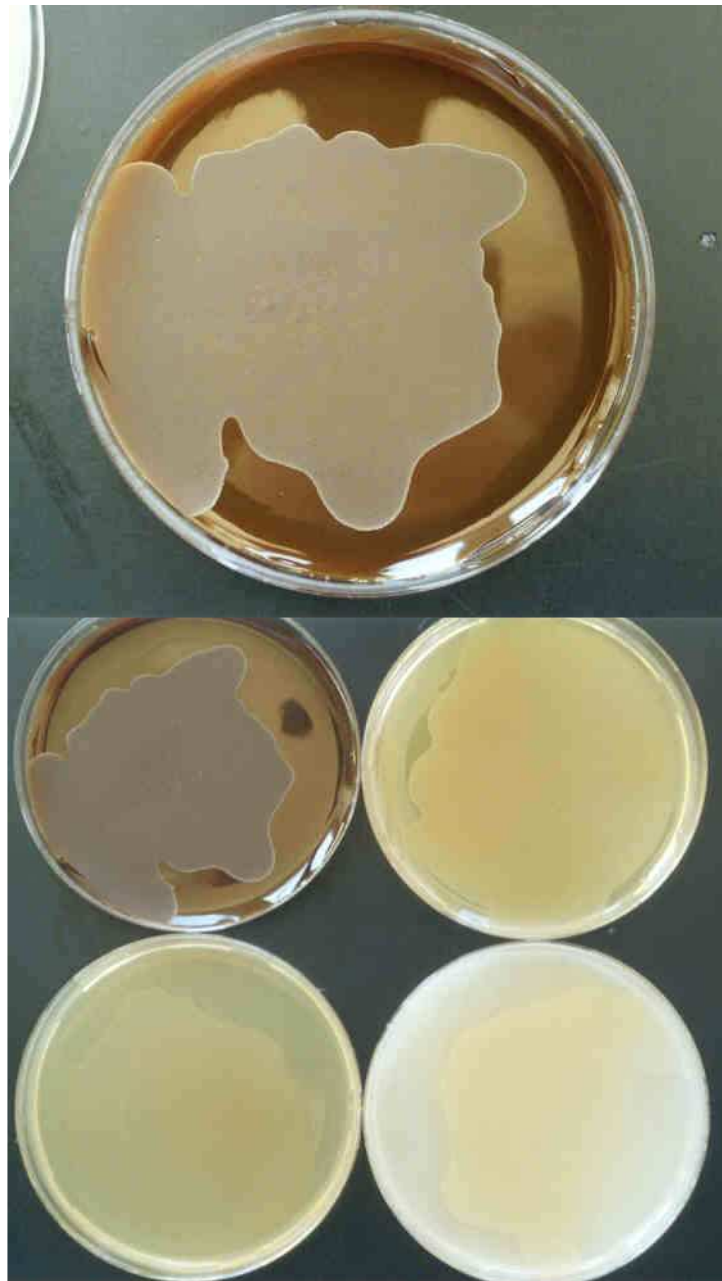
**pH:** Value- Optimum-

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

**Enzymes:**

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

**Comments:** good growth on 5436 + 5% blood (ivory)



***Corynebacterium mastitidis***

- A – Growth on Trypticase soy agar (5436) with 5 % blood
- B – Agar plate media 5436 with blood, 5006, 5265 and 5315
- C – Api Zym (upper) and Api Coryne