

Name: *Corynebacterium aurimucosum*  
Authors: Yassin et al. 2002  
Status: New Species  
Reference(s): Int. J. Syst. Evol. Microbiol. 52:1004  
Risk group: 2 (German classification)  
Type strain: DSM 44532, IMMIB D-1488, NRRL B-24143

Author(s) Yassin, A. F., Steiner, U., Ludwig, W.  
Title *Corynebacterium aurimucosum* sp. nov. and emended description of *Corynebacterium minutissimum* Collins and Jones (1983).  
Journal Int. J. Syst. Evol. Microbiol.  
Volume 52  
Page(s) 1001-1005  
Year 2002

Author(s) Daneshvar, M. I., Hollis, D. G., Weyant, R. S., Jordan, J. G., MacGregor, J. P., Morey, R. E., Whitney, A. M., Brenner, D. J., Steigerwalt, A. G., Helsen, L. O., Raney, P. M., Patel, J. B., Levett, P. N., Brown, J. M.  
Title Identification of some charcoal-black-pigmented CDC fermentative coryneform group 4 isolates as *Rothia dentocariosa* and some as *Corynebacterium aurimucosum*: proposal of *Rothia dentocariosa* emend. Georg and Brown 1967, *Corynebacterium aurimucosum* emend. Yassin et al. 2002, and *Corynebacterium nigricans* Shukla et al. 2003 pro synonym. *Corynebacterium aurimucosum*.  
Journal J. Clin. Microbiol.  
Volume 42  
Page(s) 4189-4198  
Year 2004



**Genus:** *Corynebacterium* FH 6279

**Species:** *aurimucosum*

**Numbers in other collections:** DSM 44532

**Reclassification:**

**Morphology:**

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

**Melanoid pigment:** - - - -

**NaCl resistance:** %

**Lysozyme resistance:**

**pH:** Value- Optimum-

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

**Carbon utilization:**

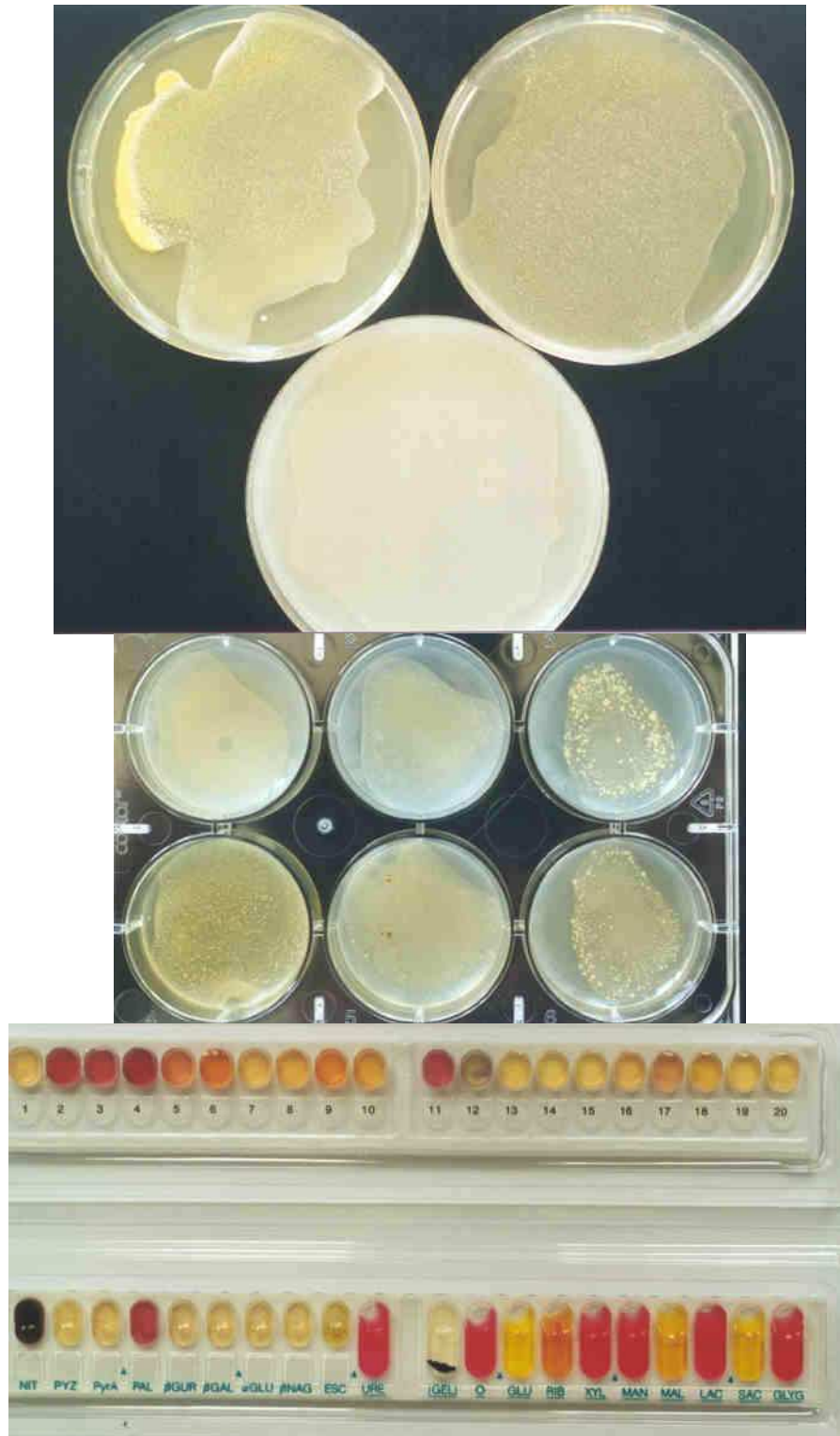
Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
+	-	+	-	+	+	-	-	-	-

**Enzymes:**

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

Api Coryne										
Nit	Pyz	Pyr	Pal	βGur	βGal	αGlu	βNag	Esc	Ure	Gel
+	-	-	+	-	-	-	-	-	+	-
Glu	Rib	Xyl	Man	Mal	Lac	Sac	Glyg			
+	+	-	-	+	-	+	-			

**Comments:** Brown exopigment on inositol



***Corynebacterium aurimucosum***

A – Agar plates media 5006, ISP 2 and ISP 3

B – Microplate with ISP- and melanin media

C – Api Coryne (lower) and Api Zym