

Name: *Corynebacterium renale*

Authors: (Migula 1900) Ernst 1906

Status: Approved Lists

Reference(s): Int. J. Syst. Bacteriol. 30:287 (AL)

Risk group: 2 (German classification)

Type strain: ATCC 19412, DSM 20688, IMET 11147,
NCTC 7448



Genus: *Corynebacterium*

FH 2801

Species: *renale*

Numbers in other collections: DSM 20688

Morphology:

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

NaCl resistance: 7,5 %

Temperature: Value- °C Optimum- 37°C

Carbon utilization:

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

Acid from (Api 20E):

Glu	Man	Ino	Sor	Rha	Sac	Mel	Amy	Ara
-	-	-	-	-	+	-	-	(+)

Enzymes:

Api 20E	Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S	
	-	-	+	-	-	-	-	-	+	-	-	
ApiZym	2	3	4	5	6	7	8	9	10	11	12	
	-	-	+	-	+	-	-	+	-	-	-	
	13	14	15	16	17	18	19	20				
	-	-	+	-	-	-	-	-				
ApiCoryne		Nit	Pyz	Pyr	Pal	βGur	βGal	αGlu	βNag	Esc	Ure	Gel
	-	-	-	-	+	-	-	-	-	+	-	
	Glu	Rib	Xyl	Man	Mal	Lac	Sac	Glyg				
	-	+	-	-	-	-	-	-				

Comments: good growth on BHI (dahlia yellow)



Corynebacterium renale

A and B – Agar plates medium 5425, 5006, 5265 and 5315