

- Name: *Microbacterium liquefaciens*
- Authors: (Collins et al. 1983) Takeuchi and Hatano 1998
- Status: New Combination
- Reference(s): Int. J. Syst. Bacteriol. 48:745
- Risk group: 1 (German classification)
- Comment: basonym "*Corynebacterium liquefaciens*"
- Type strain: DSM 20638, IMET 11374, NCIB 11509
- Other names: *Aureobacterium liquefaciens* (basonym)
- Author(s) Collins, M. D., Jones, D., Keddie, R. M., Kroppenstedt, R. M., Schleifer, K. H.
- Title Classification of some coryneform bacteria in a new genus *Aureobacterium*.
- Journal Syst. Appl. Microbiol.
- Volume 4
- Page(s) 236-252
- Year 1983
- Author: Takeuchi, M., Hatano, K.
- Title: Proposal of six new species in the genus *Microbacterium* and transfer of *Flavobacterium marinotypicum* ZoBell and Upham to the genus *Microbacterium* as *Microbacterium maritypicum* comb. nov.
- Journal: Int. J. Syst. Bacteriol.
- Volume: 48
- Page: 973-982
- Year: 1998

Genus: *Microbacterium*

FH 2795

Species: *liquefaciens*

Numbers in other collections: DSM 20638

Morphology:

<u>ISP 2</u>	G	R
	good	golden yellow
	A	SP
<u>ISP 3</u>	none	none
	G	R
	good	sulfur white
<u>ISP 4</u>	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	light ivory
	A	SP
	none	none
<u>ISP 6</u>	G	R
	sparse	colorless
	A	SP
<u>ISP 7</u>	none	none
	G	R
	good	zinc yellow
<u>ISP 7</u>	A	SP
	none	none
	G	R

NaCl resistance: 5.0%

Temperature: Value- °C Optimum- 28°C

Carbon utilization:

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

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:



Microbacterium liquefaciens

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

C – Microplate with ISP- and melanin media