

Genus	<i>Curtobacterium</i>
Species	<i>citreum</i>
Subspecies	
Author	(Komagata and Iizuka 1964) Yamada and Komagata 1972
Synonym	<i>Brevibacterium citreum</i>
Status	valid
Type species	ATCC 15828, DSM 20528, IMET 10359, NCIB 1070
Hazard group	1

Lit.: Yamada, K. and K. Komagata. 1972.

Taxonomic studies on coryneform bacteria IV.

Morphological, cultural, biochemical and physiological characteristics.

J. Gen. Appl. Microbiol. 18: 399-466.

***Curtobacterium citreum* (Komagata and Iizuka 1964)
Yamada and Komagata 1972**

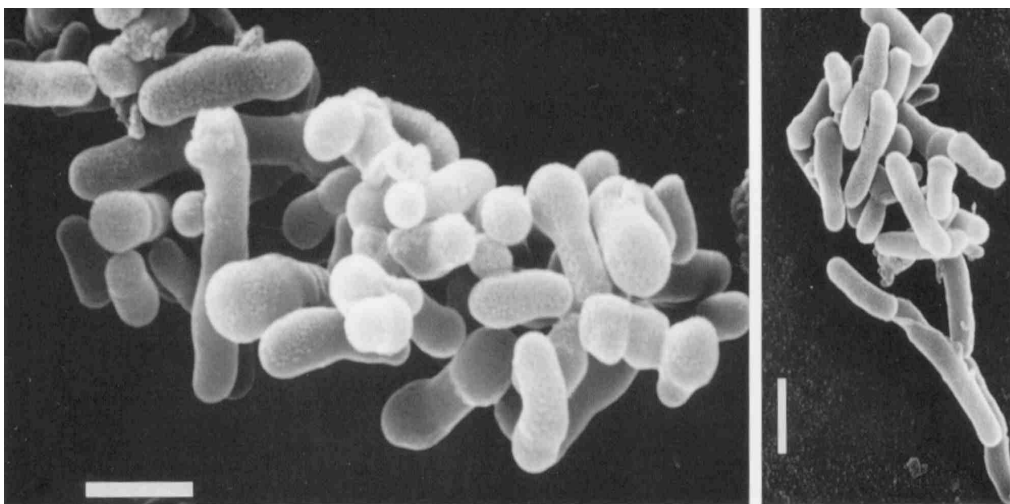


Photo by R. Sashida & T. Mikawa in the Atlas of Actinomycetes 1997 (The Society of Actinomycetes, Japan).

Fatty acid pattern

15 : 0	Iso	6,0
15 : 0	Anteiso	41,0
15 : 0		2,5
16 : 0	Iso	11,0
16 : 0		1,0
17 : 0	Iso	2,5
17 : 0	Anteiso	34,0
17 : 0		2,5

Genus: *Curtobacterium*

FH 2788

Species: *citreum*

Numbers in other collections: **DSM 20528**

Morphology:

<u>ISP 2</u>	G	R
	good	maize yellow
	A	SP
<u>ISP 3</u>	none	none
	G	R
	good	zinc yellow
<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
	good	oyster white
	A	SP
<u>ISP 7</u>	none	none
	G	R
	good	colorless
<u>ISP 7</u>	A	SP
	none	yes
	G	R
<u>ISP 7</u>	good	ivory
	A	SP
	none	none

NaCl resistance: 5.0%

Temperature: Value- °C Optimum- 28°C

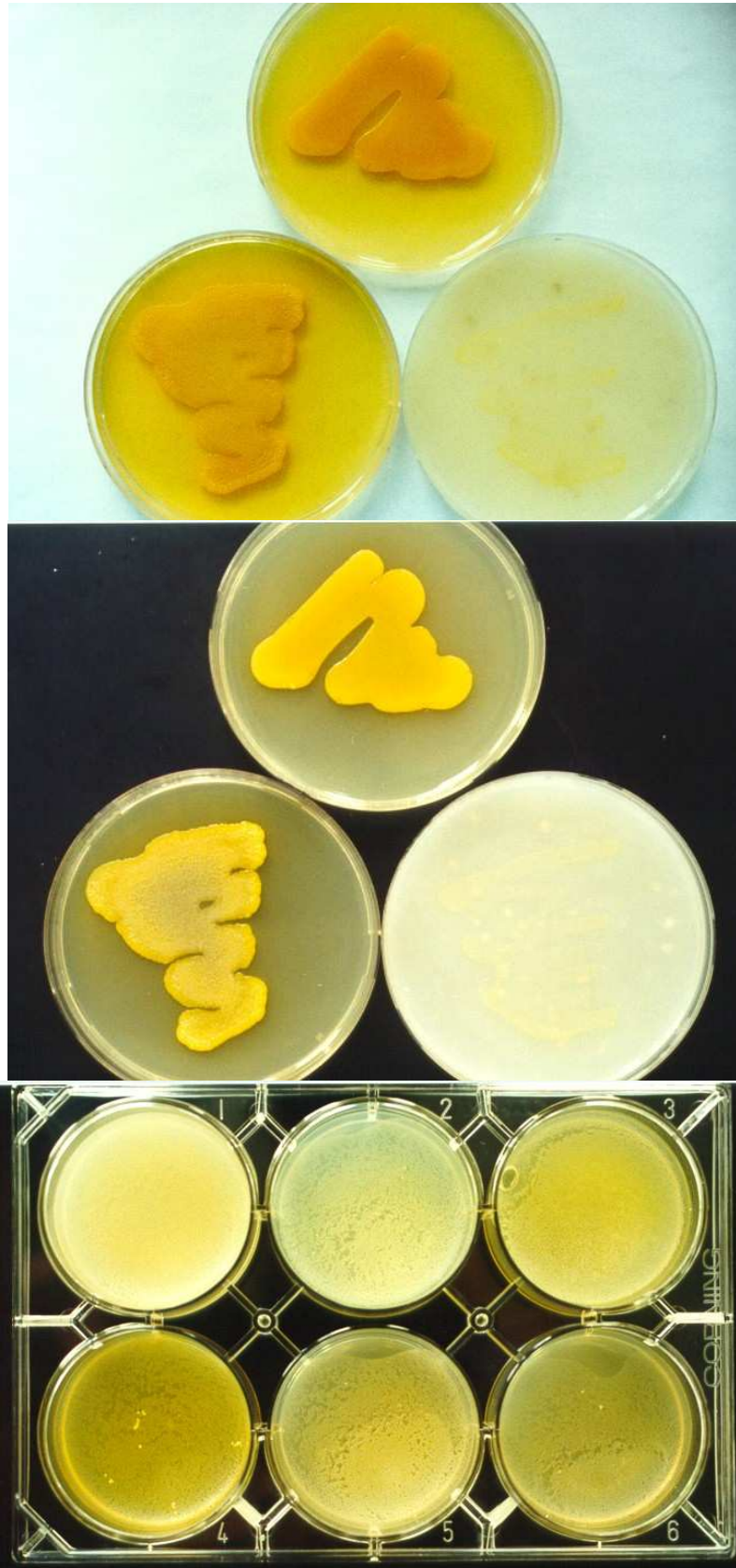
Carbon utilization:

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:



Curtobacterium citreum

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

C – Microplate with ISP- and melanin media