

Name: *Microbacterium imperiale*

Authors: (Steinhaus 1941) Collins et al. 1983

Status: New Combination

Reference(s): Int. J. Syst. Bacteriol. 33:672 (validation list)

Risk group: 1 (German classification)

Type strain: ATCC 8365, DSM 20530, IAM 1654, IMET 10714, NCIB 9888

Other names: *Brevibacterium imperiale* (basonym)

Author(s) Steinhaus, E. A.
Title A study of the bacteria associated with thirty species of insects.
Journal J. Bacteriol.
Volume 42
Page(s) 757-790
Year 1941

Author(s) Collins, M. D., Jones, D., Kroppenstedt, R. M.
Title Reclassification of *Brevibacterium imperiale* (Steinhaus) and "*Corynebacterium laevaniformans*" (Dias and Bhat) in a redefined genus *Microbacterium* (Orla-Jensen), as *Microbacterium imperiale* comb. nov. and *Microbacterium laevaniformans* nom. rev.; comb. nov.
Journal Syst. Appl. Microbiol.
Volume 4
Page(s) 65-78
Year 1983

Genus: *Microbacterium*

FH 2789

Species: *imperiale*

Numbers in other collections: DSM 20530

Morphology:

<u>ISP 2</u>	G	R
	good	pastel orange
	A	SP
<u>ISP 3</u>	none	none
	G	R
	good	deep orange
<u>ISP 4</u>	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	pastel yellow
	A	SP
	none	none
<u>ISP 6</u>	G	R
	sparse	colorless
	A	SP
<u>ISP 7</u>	none	yes
	G	R
	good	pastel yellow
	A	SP
	none	none

NaCl resistance: 7.5%

Temperature: Value- °C Optimum- 28°C

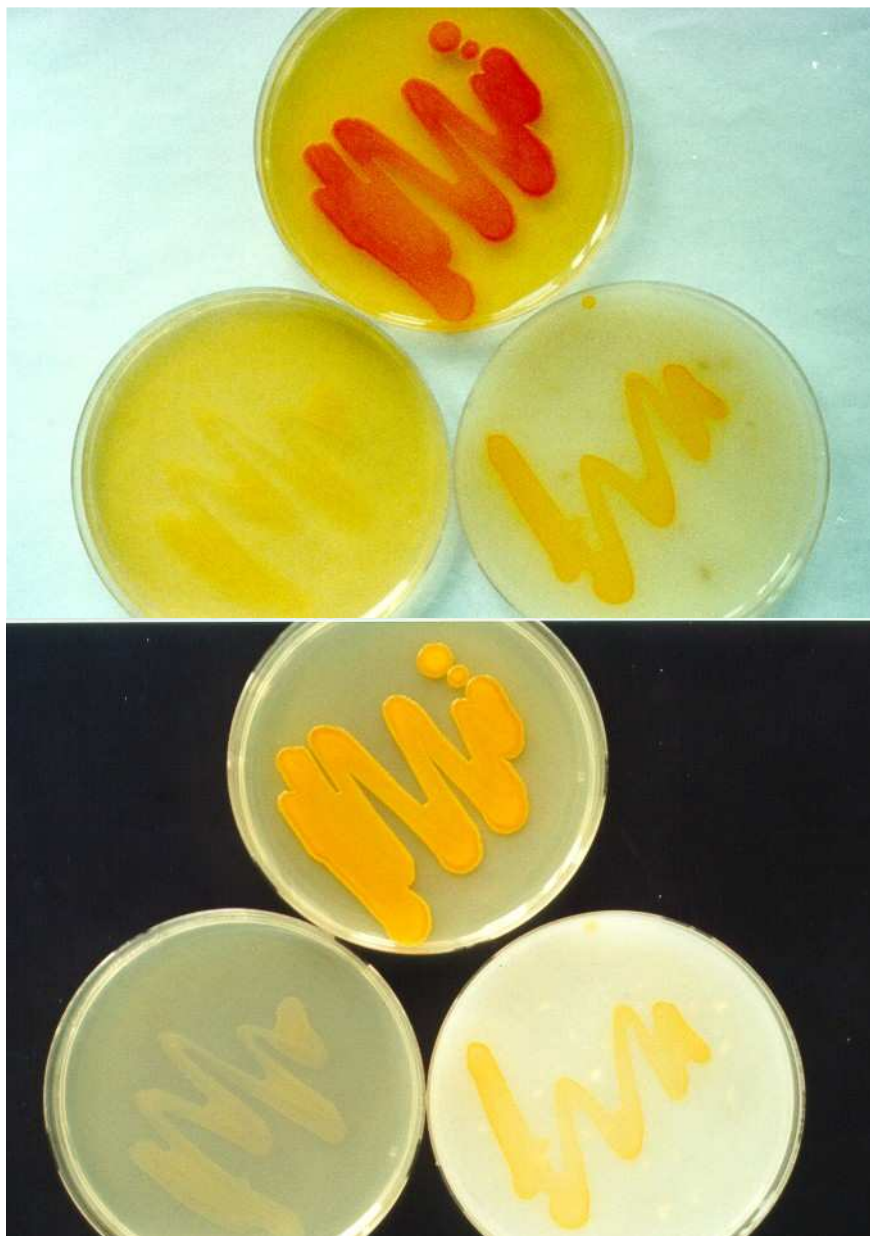
Carbon utilization:

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

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 imperiale

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