

Genus ***Cellulomonas***
Species ***flavigena***
Subspecies
Author (Kellerman and McBeth 1912) Bergey et al. 1923

Reclassification
Status valid

Type species ATCC 482, DSM 20109, IMET 10357, NCIB 10357

Hazard group 1

Lit.: Stackebrandt, E., H. Seiler and K.-H. Schleifer. 1982.
Union of the genera *Cellulomonas* Bergey et al. and *Oerskovia*
Prauser et al. in a redefined genus *Cellulomonas*.
Zbl. Bakt. Hyg. Abt. I Orig. C 3:401-409

Fatty acid pattern

14 : 0	Iso	3,0
14 : 0		7,0
15 : 1	Anteiso	5,0
15 : 0	Iso	5,0
15 : 0	Anteiso	41,0
15 : 0		2,5
16 : 0	Iso	5,0
16 : 0		21,0
17 : 0	Anteiso	6,0
18 : 0		4,5

Genus: *Cellulomonas*

FH 2744

Species: *flavigena*

Numbers in other collections: ATCC 482

Morphology:

	G	R
<u>ISP 2</u>	good	ivory
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	zinc yellow
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	cadmium yellow
	A	SP
	none	none
	G	R
<u>ISP 5</u>	sparse	zinc yellow
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	colorless
	A	SP
	none	yes
	G	R
<u>ISP 7</u>	good	colorless
	A	SP
	none	none

NaCl resistance: 2.5%

Temperature: Value- °C Optimum- 28°C

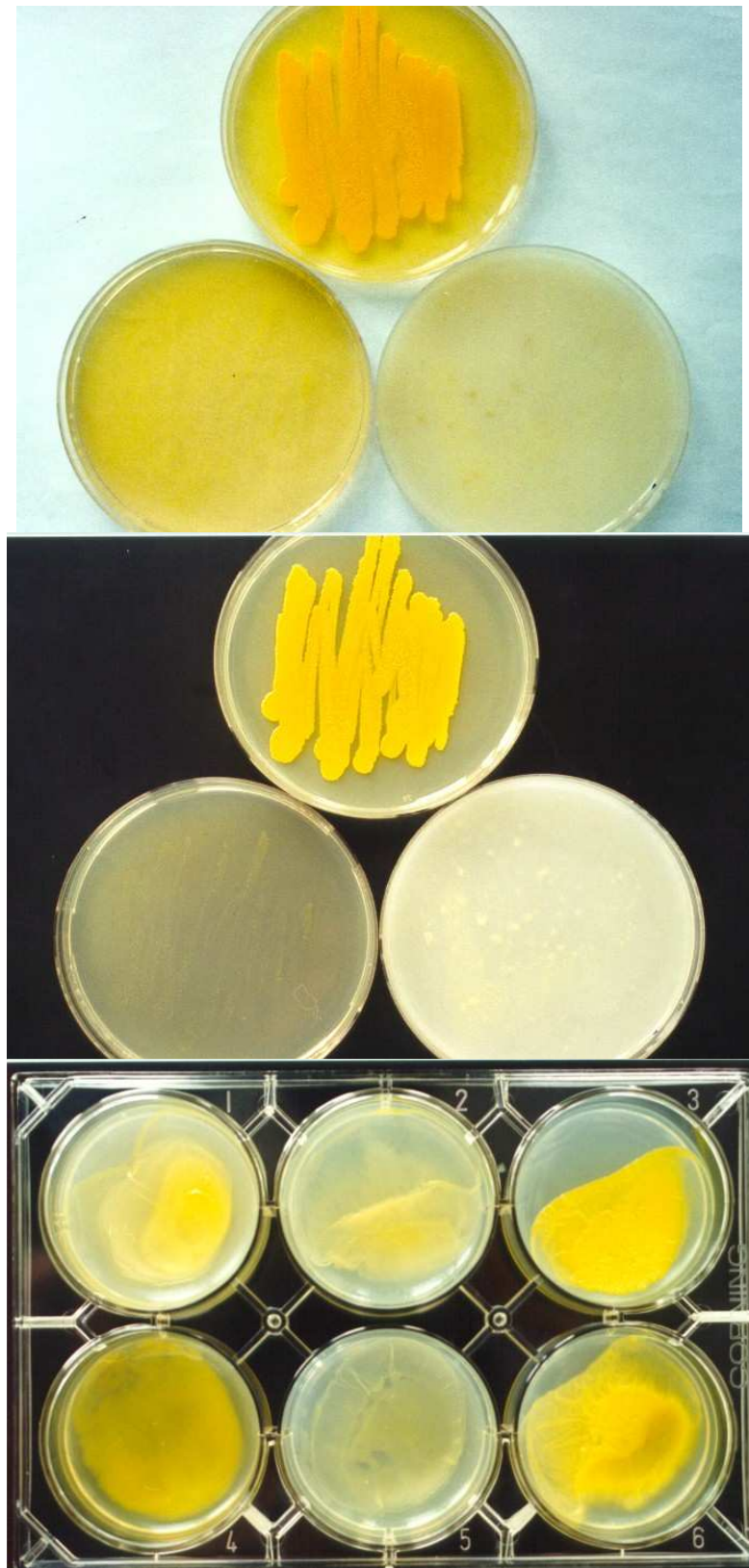
Carbon utilization:

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

Commentss



Cellulomonas flavigena

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

C – Microplate with ISP- and melanin media