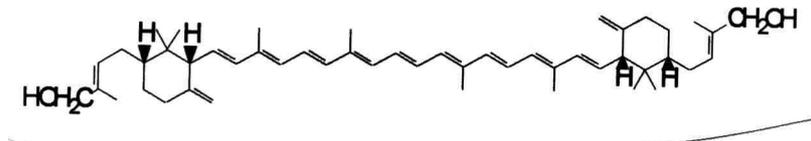


Genus	<i>Cellulomonas</i>
Species	<i>biazotae</i>
Subspecies	
Author	(Kellerman et al. 1913) Bergey et al. 1923
Reclassification	
Status	valid
Type species	ATCC 486, DSM 20112, IMET 10473, NCIB 8077
Hazard group	1

Fatty acid pattern

14 : 0	Iso	5,0
14 : 0		5,0
15 : 0	Iso	7,0
15 : 0	Anteiso	40,0
15 : 0		1,0
16 : 0	Iso	5,0
16 : 0		9,0
17 : 0	Iso	1,0
17 : 0	Anteiso	14,0
17 : 0		5,0
18 : 0		8,0

Sacinaxanthin - Carotinoid from *Cellulomonas biazotae*:



Genus: Cellulomonas

FH 2738

Species: biazotae

Numbers in other collections: ATCC 486

Morphology:

<u>ISP 2</u>	G	R
	good	ivory
	A	SP
<u>ISP 3</u>	none	none
	G	R
	good	lemon yellow
<u>ISP 4</u>	A	SP
	none	none
	G	R
<u>ISP 5</u>	sparse	light ivory
	A	SP
	none	none
<u>ISP 6</u>	G	R
	none	SP
	A	SP
<u>ISP 7</u>	good	none
	A	SP
	none	R

NaCl resistance: 2.5%

Temperature: Value- °C Optimum- 28°C

Carbon utilization:

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

Enzymes:

Api 20E	Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H ₂ S	
-	-	-	-	-	+	-	-	-	+	-	-	
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				
	+	+	-	+	+	+	-	-				



Cellulomonas biazotae

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

C – Microplate with ISP- and melanin media