

Name: ***Xylanimonas cellulositytica***

Authors: Rivas et al. 2003

Status: New Species

Literature: Int. J. Syst. Evol. Microbiol. 53:103

Risk group: 1 (German classification)

Type strain: CECT 5975, LMG 20990, XIL07, DSM 15894

Author(s) Rivas, R., Sánchez, M., Trujillo, M. E., Zurdo-Piñeiro, J. L.,
Mateos, P. F., Martínez-Molina, E., Velázquez, E.

Title *Xylanimonas cellulositytica* gen. nov., sp. nov., a xylanolytic
bacterium isolated from a decayed tree (*Ulmus nigra*).

Journal Int. J. Syst. Evol. Microbiol.

Volume 53

Page(s) 99-103

Year 2003

Genus: *Xylanimonas* FH 6431

Species: *cellulosilytica*

Numbers in other collections: DSM 15894

Morphology:

	G	R
<u>ISP 2</u>	good	ivory
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	ivory
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	ivory
	A	SP
	none	none
	G	R
<u>ISP 5</u>	sparse	beige
	A	SP
	-	-
	G	R
<u>ISP 6</u>	good	ivory
	A	SP
	none	none
	G	R
<u>ISP 7</u>	sparse	beige
	A	SP
	-	-

Melanoid pigment: - - - -

NaCl resistance: %

Lysozyme resistance:

pH: Value- Optimum-
Temperature : Value- Optimum- 28 °C

Carbon utilization:

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

Enzymes:

2 -	3 +	4 +	5 -	6 +	7 -	8 -	9 -	10 -	11 -	
12 -	13 +	14 +	15 +	16 +	17 +	18 +	19 -	20 -		
Nit	Pyz	Pyr	Pal	βGur	βGal	αGlu	βNag	Esc	Ure	Gel
+	+	+	-	-	+	+	+	+	+	-
Glu	Rib	Xyl	Man	Mal	Lac	Sac	Glyg			
+	-	+	-	+	+	+	+			

Comments: Ivory on media 5429 and 5475



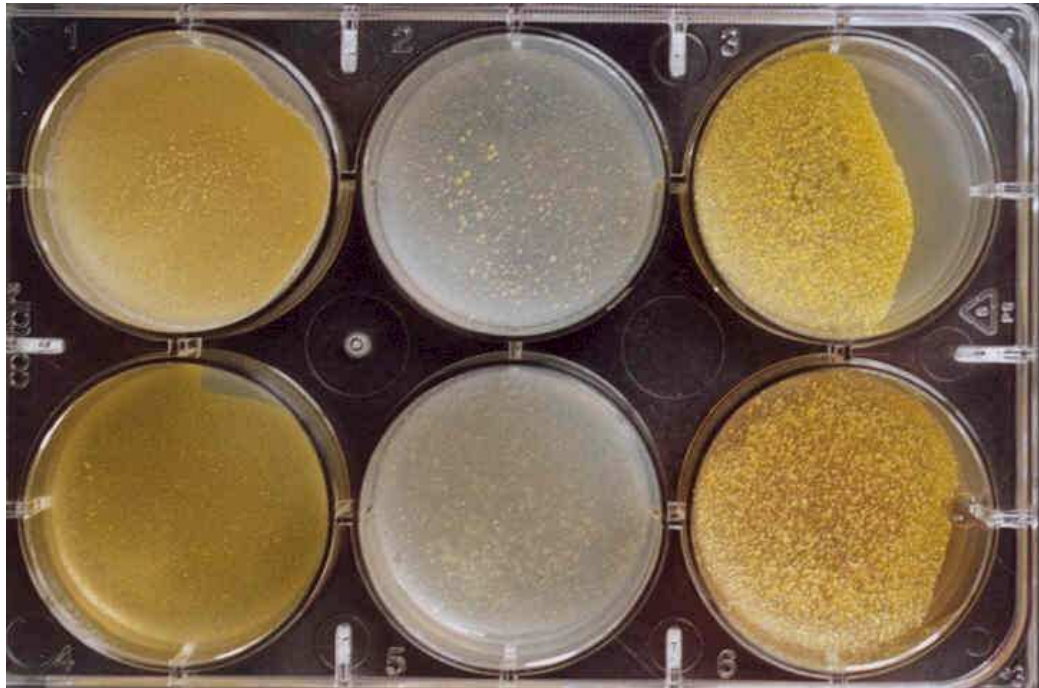
Xylanimonas cellulosilytica

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



Xylanimonas cellulosilytica

C and D – Agar plates medium 5429 and 5475



Xylanimonas cellusilytica

E – Microplate with ISP- and melanin media

F – Microplate for carbon utilization



Xylanimonas cellulosilytica
G – Api Zym (upper) and Coryne