

Name: *Leifsonia aurea*

Authors: Reddy et al. 2003

Status: New Species

Literature: Int. J. Syst. Bacteriol. 53:983

Risk group: 1

Type strain: CIP 107785, CMS 81y, DSM 15303, MTCC 4657

Author(s) Reddy, G. S. N., Prakash, J. S. S., Srinivas, R., Matsumoto, G. I., Shivaji, S.

Title *Leifsonia rubra* sp. nov. and *Leifsonia aurea* sp. nov., psychrophiles from a pond in Antarctica.

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Genus: *Leifsonia*

FH 6455

Species: *aurea*

Numbers in other collections: **DSM 15303**

Morphology:

	G	R
<u>ISP 2</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	colorless
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	beige
	A	SP
	none	signal brown

Melanoid pigment: - + + -

NaCl resistance:

Lysozyme resistance:

pH: Value- Optimum-
Temperature : Value- Optimum- 22 °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
-	-	-	-	-	+	+	-	+	-	-

Comments: Beige on medium 5429 and maize yellow on 5472



Leifsonia aurea

A and B – Agar plates media 5006, 5265, 5315, 5429 and 5472

