

Name: *Brachybacterium nesterenkovii*

Authors: Gvozdyak et al. 1992

Status: New Species

Literature: Int. J. Syst. Bacteriol. 42:77

Risk group: 1 (German classification)

Type strain: 35, DSM 9573, IMV Ac-752

Author(s) Gvozdyak, O. R., Nogina, T. M., Schumann, P.
Title Taxonomic study of the genus *Brachybacterium*:
Brachybacterium nesterenkovii sp. nov.
Journal Int. J. Syst. Bacteriol.
Volume 42
Page(s) 74-78
Year 1992

Genus: *Brachybacterium*

FH 6202

Species: *nesterenkovii*

Numbers in other collections: **DSM 9573**

Basonym

Morphology:

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

Melanoid pigment: - - - -

NaCl resistance: %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 28°C

Enzymes:

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

Comments:



Brachybacterium nesterenkovii

A – Agar plates media 5006, 5265 and 5315

B – Microplate with ISP- and melanin media

C – Api Zym (lower) and Api Coryne