

Genus *Nesterenkonia*
Species *lacusekhoensis*
Subspecies

Author Collins et al. 2002
Reclassification
Status sp. nov.

Type species DSM 12544, CIP 107030

Hazard group 1

Author(s) Collins, M. D., Lawson, P. A., Labrenz, M., Tindall, B. J.,
Weiss, N., Hirsch, P.

Title *Nesterenkonia lacusekhoensis* sp. nov., isolated from
hypersaline Ekho Lake, East Antarctica, and emended
description of the genus *Nesterenkonia*.

Journal Int. J. Syst. Evol. Microbiol.
Volume 52
Page(s) 1145-1150
Year 2002

Genus: *Nesterenkonia*

FH 6282

Species: *lacusekhoensis*

Numbers in other collections: DSM 12544

Reclassification:

Morphology:

	G	R
<u>ISP 2</u>	good	lemon yellow
	A	SP
	none	none
	G	R
<u>ISP 3</u>	sparse	beige
	A	SP
	none	none
	G	R
<u>ISP 4</u>	n.d.	
	A	SP
	G	R
<u>ISP 5</u>	n.d.	
	A	SP
	G	R
<u>ISP 6</u>	n.d.	
	A	SP
	G	R
<u>ISP 7</u>	n.d.	
	A	SP

Melanoid pigment: - - - -

NaCl resistance: %

Lysozyme resistance:

pH: Value- Optimum-
Optimum- 22°C

Temperature : Value-

Carbon utilization:

Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
				n.d.					

Enzymes:

Api Zym

2+	3+	4+	5-	6+	7(+)	8-	9+	10-	11-
----	----	----	----	----	------	----	----	-----	-----

12+	13-	14-	15+	16+	17+	18-	19-	20-
-----	-----	-----	-----	-----	-----	-----	-----	-----

Api Coryne

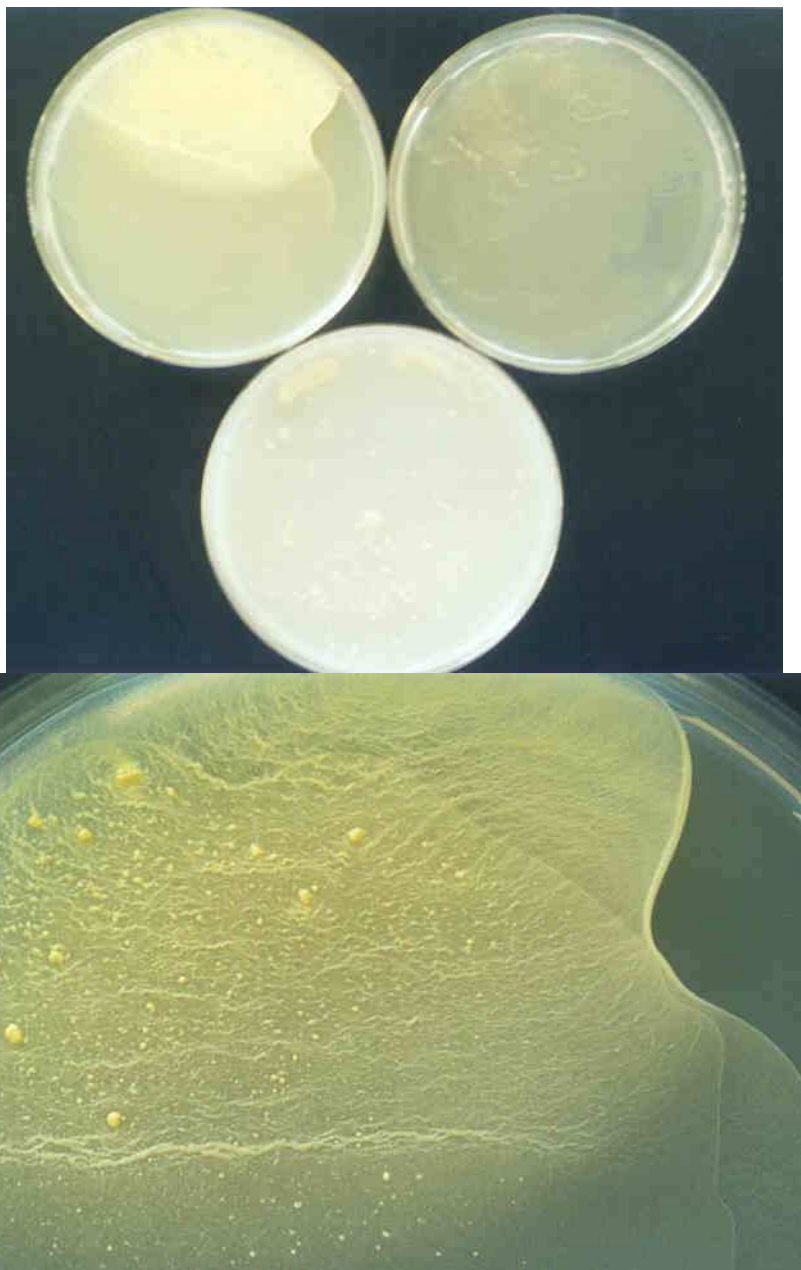
Nit	Pyz	Pyr	Pal	βGur	βGal	αGlu	βNag	Esc	Ure	Gel
-----	-----	-----	-----	------	------	------	------	-----	-----	-----

+	-	-	(+)	-	-	+	-	-	-	-
---	---	---	-----	---	---	---	---	---	---	---

Glu	Rib	Xyl	Man	Mal	Lac	Sac	Glyg
-----	-----	-----	-----	-----	-----	-----	------

+	-	-	-	-	-	-	-
---	---	---	---	---	---	---	---

Comments:



Nesterenkonia lacusekhoensis

A – Agar plates medium 5006, 5265 and 5315

B – Detail of growth on medium 5006