

Name: *Subtercola frigoramans*
Authors: Männistö et al. 2000
Status: New Species
Literature: Int. J. Syst. Bacteriol. 50:1737
Risk group: 1 (German classification)
Type strain: CCUG 43136, DSM 13057, K265

Männistö, M.K., P. Schumann, F.A. Rainey, P. Kämpfer, I. Tsitko, M.A. Tiirola and M.S. Salkinoja-Salonen. 2000.
Subtercola boreus gen. nov., sp. nov., and *Subtercola frigoramans* sp.nov., two new psychrophilic actinobacteria isolated from boreal groundwater.
Int. J. Syst. Bacteriol. 50: 1731-1739

Genus: *Subtercola*

FH 6138

Species: *frigoramans*

Numbers in other collections: **DSM 13057**

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>	sparse	beige
	A	SP
	none	none
	G	R
<u>ISP 5</u>	sparse	beige
	A	SP
	none	none
	G	R
<u>ISP 6</u>	sparse	beige
	A	SP
	none	none
	G	R
<u>ISP 7</u>	sparse	beige
	A	SP
	none	none

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:

Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
-	+	+	+	+	-	+	+	-	-	-
2+	3-	4+	5-	6+	7(+)	8(+)	9-	10-	11+	
12-	13-	14-	15-	16+	17+	18-	19-	20-		

Comments:



Subtercola frigoramans

Growth on medium 5006 and 5265