

Name: ***Beutenbergia cavernae***

Authors: Groth et al. 1999

Status: New Species

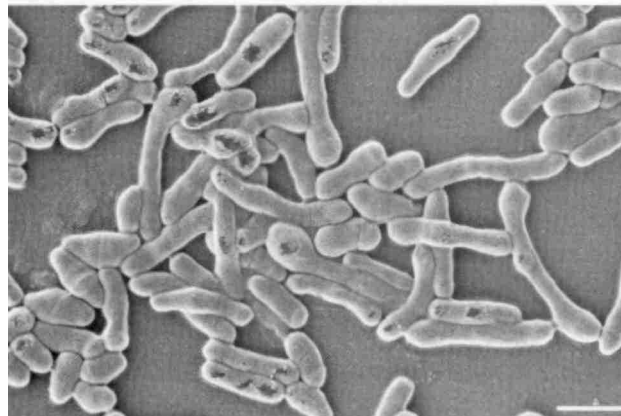
Literature: Int. J. Syst. Bacteriol. 49:1738

Risk group: 1 (German classification)

Type strain: DSM 12333, HKI 0122

Lit.: Groth, I., P. Schumann, B. Schuetze, K. Augsten, I. Kramer and E. Stackebrandt. 1999

*Beutenbergia cavernae* gen. nov., sp. nov., an L-Lysine -  
Containing Actinomycete Isolated from a Cave  
Int. J. Syst. Bacteriol. 49: 1733-1740



***Beutenbergia cavernae* (Groth et al.)**

**Genus:** *Beutenbergia*

**FH 6096**

**Species:** *cavernae*

**Numbers in other collections:** **DSM 12333**

Morphology:

	G	R
<u>5006</u>	good	zinc yellow
	A	SP
	none	none
	G	R
<u>ISP 2</u>	sparse	
	A	SP
	none	none
	G	R
<u>ISP 3</u>	sparse	
	A	SP
	none	none
	G	R
<u>ISP 4</u>	sparse	
	A	SP
	none	none
	G	R
<u>ISP 5</u>	none	
	A	SP

Spore chains:

Spore surface:

Sporangia:

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance: 5 %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 28°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-		
Nit	Pyz	Pyr	Pal	βGur	βGal	αGlu	βNag	Esc	Ure	Gel
+	-	-	+	-	+	+	-	(+)	+	-
Glu	Rib	Xyl	Man	Mal	Lac	Sac	Glyg			
-	-	-	-	+	-	-	-			



***Beutenbergia cavernae***

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