

Name: *Tetrasphaera elongata*

Authors: Hanada et al. 2002

Status: New Species

Literature: Int. J. Syst. Bacteriol. 52:886

Risk group: 1

Type strain: DSM 14184, JCM 11141, Lp2

Author(s) Hanada, S., Liu, W.-T., Shintani, T., Kamagata, Y., Nakamura, K.

Title *Tetrasphaera elongata* sp. nov., a polyphosphate-accumulating bacterium isolated from activated sludge.

Journal Int. J. Syst. Evol. Microbiol.

Volume 52

Page(s) 883-887

Year 2002

**Genus:** *Tetrasphaera*

FH 6271

**Species:** *elongata*

**Numbers in other collections:** DSM 14184

Reclassification:

Morphology:

	G	R
<u>ISP 2</u>	good	ivory
	A	SP
	none	none
	G	R
<u>ISP 3</u>	good	ivory
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 5</u>	sparse	colorless
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	ivory
	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- 28°C

**Carbon utilization:**

Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
+	-	+	-	-	+	+	-	-	+

**Enzymes:**

Api Zym

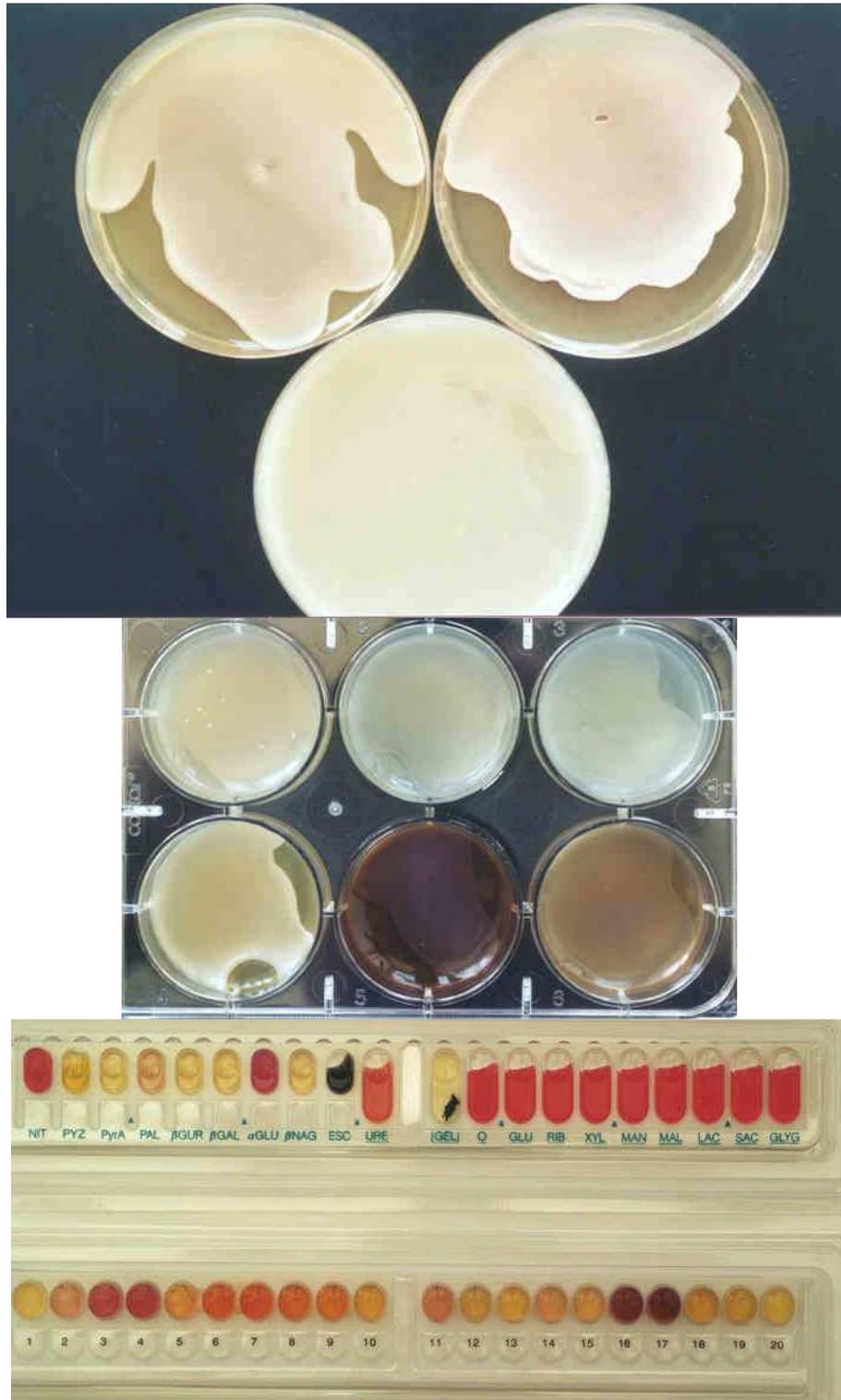
2+	3+	4+	5-	6+	7+	8+	9+	10-	11-
12-	13-	14(+)	15-	16+	17+	18-	19-	20-	

Api Coryne

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

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

**Comments:**



***Tetrasphaera elongata***

A – Agar plates media 5006, 5265 and 5315

B - Microplate with ISP- and melanin media

C – Api Zym (lower) and Api Coryne