

Name: ***Microlunatus phosphovor***

Authors: Nakamura et al. 1995

Status: New Species

Literature: Int. J. Syst. Bacteriol. 45:21

Risk group: 1 (German classification)

Type strain: DSM 10555, JCM 9379, NM-1

Lit.: Nakamura, K., A. Hiraishi, Y. Yoshimi, M. Kawaharasaki, K. Masuda and Y. Kamagata. 1995.  
*Microlunatus phosphovor* gen. nov., sp. nov., a New Gram-Positive Polyphosphate-Accumulatin Bacterium Isolated from Activated Sludge  
Int . J. Syst. Bacteriol.45: 17-22

**Genus:** *Microlunatus*

**FH 6081**

**Species:** *phosphovorus*

**Numbers in other collections:** DSM 10555

Morphology:

	G	R
<u>ISP 2</u>	sparse	transparent
	A	SP
	none	none
	G	R
<u>5006</u>	good	ivory
	A	SP
	none	none
	G	R
<u>5425</u>	good	ivory
	A	SP
	none	none
	G	R
<u>5428</u>	good	ivory
	A	SP
	none	none
	G	R
<u>DSM 776</u>	good	ivory
	A	SP
	none	none

Spore chains:

Spore surface:

Sporangia:

Fragmentation:

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
					nd.				

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			
-	-	-	-	-	-	-	-			



***Microlunatus phosphophorus***

A and B – Agar plates medium 5006, 5265, 5425, 5428 and 5530

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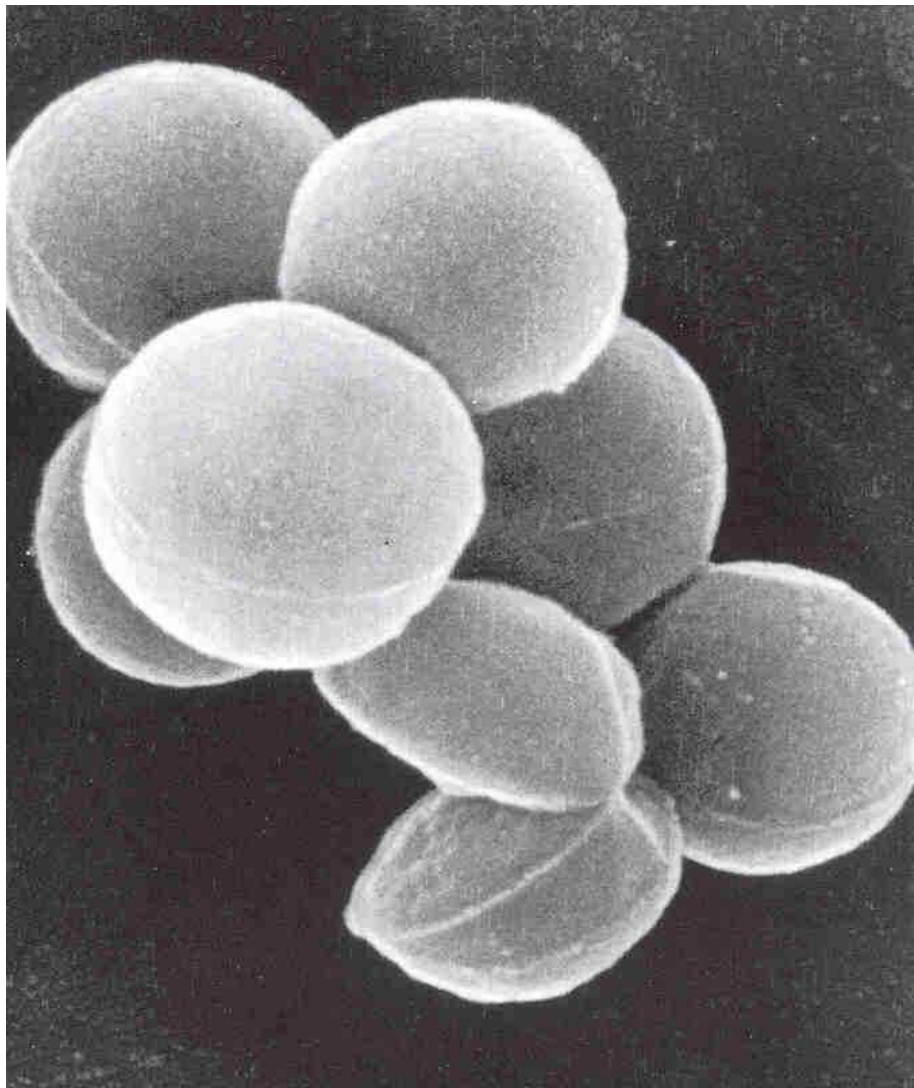


Photo by A. Hiraishi & K. Nakamura in the Atlas of Actinomycetes 1997 (The Society of Actinomycetes, Japan).