

Name: ***Dermacoccus profundus***

Authors: Pathom-aree et al. 2006

Status: New Species

Reference: Int. J. Syst. Evol. Microbiol. 56:2306

Risk group: 1 (German classification)

Type strain: DSM 17575, MT2.2, NCIMB 14084

Author: Pathom-aree, W., Nogi, Y., Ward, A. C., Horikoshi, K., Bull, A. T., Goodfellow, M.

Title: *Dermacoccus barathri* sp. nov. and *Dermacoccus profundus* sp. nov., novel actinomycetes isolated from deep-sea mud of the Mariana Trench.

Journal: Int. J. Syst. Evol. Microbiol.

Volume: 56

Page: 2303-2307

Year: 2006

Genus: *Derma***coccus**

FH 6771

Species: *profundi*

Numbers in other collections: DSM 17575

Morphology:

	G	R
<u>ISP 2</u>	good	brown beige
	A	SP
	none	brown beige
	G	R
<u>ISP 3</u>	good	brown beige
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	brown beige
	A	SP
	none	brown beige
	G	R
<u>ISP 6</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	beige
	A	SP
	none	none

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
				n.d.					

Enzymes:

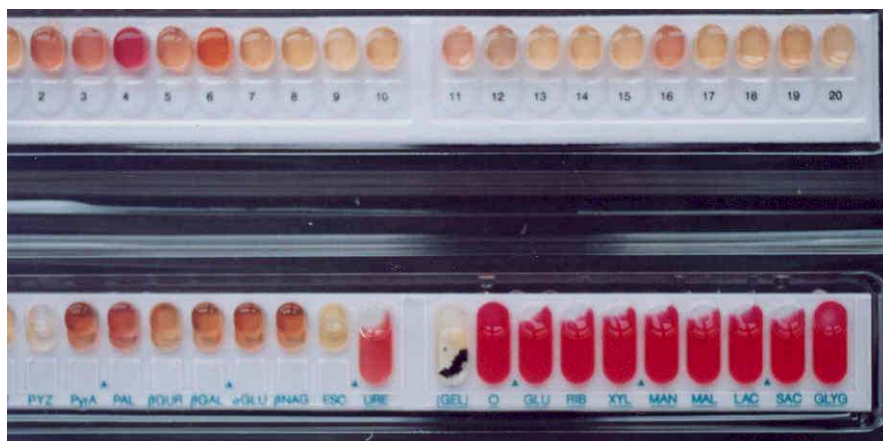
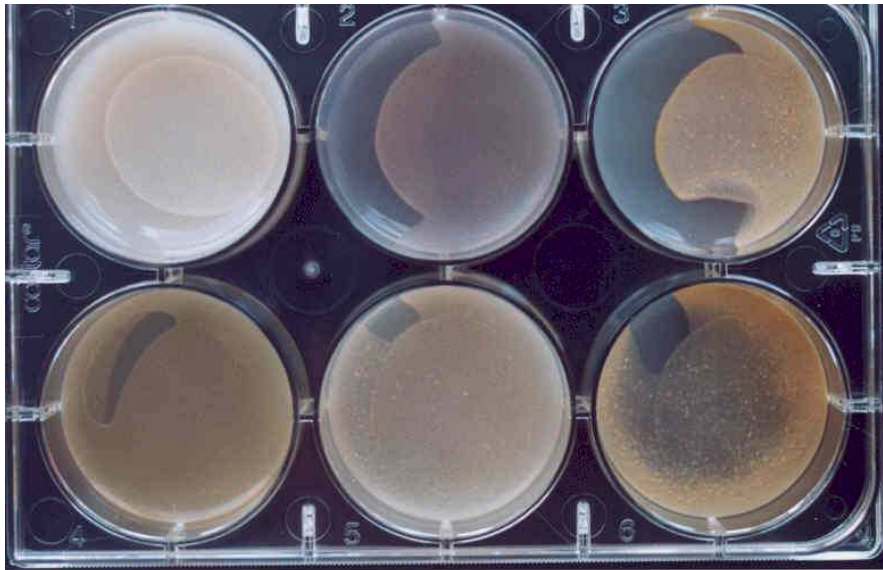
2+	3+	4+	5-	6+	7-	8-	9-	10-	11(+)	
12(+)	13-	14-	15-	16(+)	17-	18-	19-	20-		
Nit	Pyz	Pyr	Pal	βGur	βGal	αGlu	βNag	Esc	Ure	Gel
-	-	+	+	-	-	-	-	-	+	-
Glu	Rib	Xyl	Man	Mal	Lac	Sac	Glyg			
-	-	-	-	-	-	-	-			

Comments:



Dermacoccus profundus

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



Dermacoccus profundi

C – Microplate with ISP- and melanin media

D – Api zym (upper) and coryne