

Name: *Rhodococcus opacus*  
Authors: Klatte et al. 1995  
Status: New Species  
Reference(s): Int. J. Syst. Bacteriol. 45:197 (validation list)  
Risk group: 1 (German classification)  
Comment: validation repeated in List No 53, IJSB 45:418  
Type strain: DSM 43205

Author(s) Klatte, S., Kroppenstedt, R. M., Rainey, F. A.  
Title *Rhodococcus opacus* sp. nov., an unusual nutritionally versatile *Rhodococcus*-species.  
Journal Syst. Appl. Microbiol.  
Volume 17  
Page(s) 355-360  
Year 1994

**Genus:** *Rhodococcus*

**FH 2835**

**Species:** *opacus*

**Numbers in other collections:** DSM 43205

Morphology:

	G	R
<u>ISP 2</u>	good	pastel yellow
	A	SP
	none	none
	G	R
<u>ISP 3</u>	sparse	colorless
	A	SP
	none	none
	G	R
<u>ISP 4</u>	good	pastel yellow
	A	SP
	none	none
	G	R
<u>ISP 5</u>	good	pastel yellow
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	pastel yellow
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	pastel yellow
	A	SP
	none	none

Spore chains: -

Spore surface: -

Sporangia: -

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance: 7.5 %

Lysozyme resistance:

pH: Value-

Optimum-

Temperature : Value-

Optimum-

Carbon utilization:

Glu Ara Suc Xyl Ino Man Fru Rha Raf Cel

Enzymes:

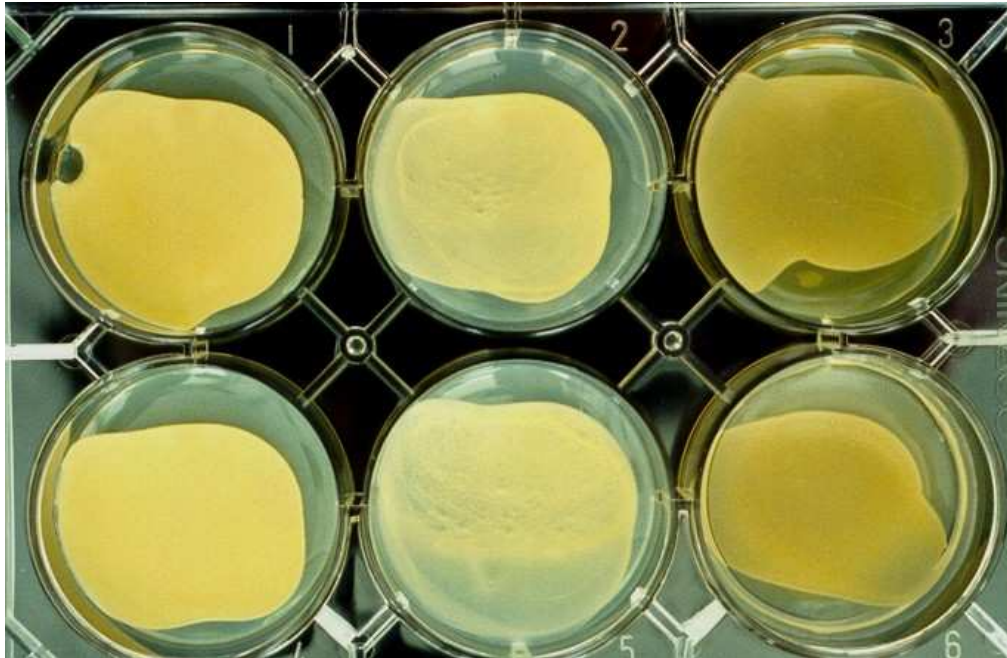
Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H <sub>2</sub> S
-	+	+	+	+	-	-	+	-	-	-
2-	3-	4-	5-	6+	7+	8+	9+	10-	11-	
12(+)	13+	14+	15-	16+	17+	18-	19-	20-		
Nit	Pyz	Pyr	Pal	βGur	βGal	αGlu	βNag	Esc	Ure	Gel
+	-	-	-	-	+	+	-	-	+	-
Glu	Rib	Xyl	Man	Mal	Lac	Sac	Glyg			
-	-	-	-	-	-	-	-			

Comments: good growth on 5006 and BHI



***Rhodococcus opacus***

A and B – Agar plates medium 5006, 5265, 5425 and 5315



***Rhodococcus opacus***

C – Microplate with ISP- and melanin media  
D – Api Zym, Coryne and 20E (from the top)

