

Name: *Rhodococcus coprophilus*

Authors: Rowbotham and Cross 1979

Status: Approved Lists

Reference(s): Int. J. Syst. Bacteriol. 30:356 (AL)

Risk group: 1 (German classification)

Type strain: ATCC 29080, DSM 43347, IMET 7375,
NCIB 11211, NCTC 10994

Author(s) Rowbotham, T. J., Cross, T.

Title *Rhodococcus coprophilus* sp. nov.: an aerobic nocardioform actinomycete belonging to the "*rhodochrous*" complex.

Journal J. Gen. Microbiol.

Volume 100

Page(s) 123-138

Year 1977

Genus: *Rhodococcus* **FH 2587**
Species: *coprophilus*
Numbers in other collections: **DSM 43347**

Morphology:

	G	R	
<u>ISP 2</u>	good	red orange	
	A	SP	
	none	none	
	G	R	
<u>ISP 3</u>	sparse		
	A	SP	
	G	R	
<u>ISP 4</u>	sparse		
	A	SP	
	G	R	
<u>ISP 5</u>	sparse	red orange	
	A	SP	
	none	none	
	G	R	
<u>ISP 6</u>	good	red orange	
	A	SP	
	none	none	
	G	R	
<u>ISP 7</u>	sparse		red orange
	A	SP	
	none	none	

Spore chains:

Spore surface: smooth

Sporangia:

Fragmentation: +

Melanoid pigment: - - - -

NaCl resistance: 2,5-5 %

Lysozyme resistance:

pH: Value-

Optimum-

Temperature : Value-

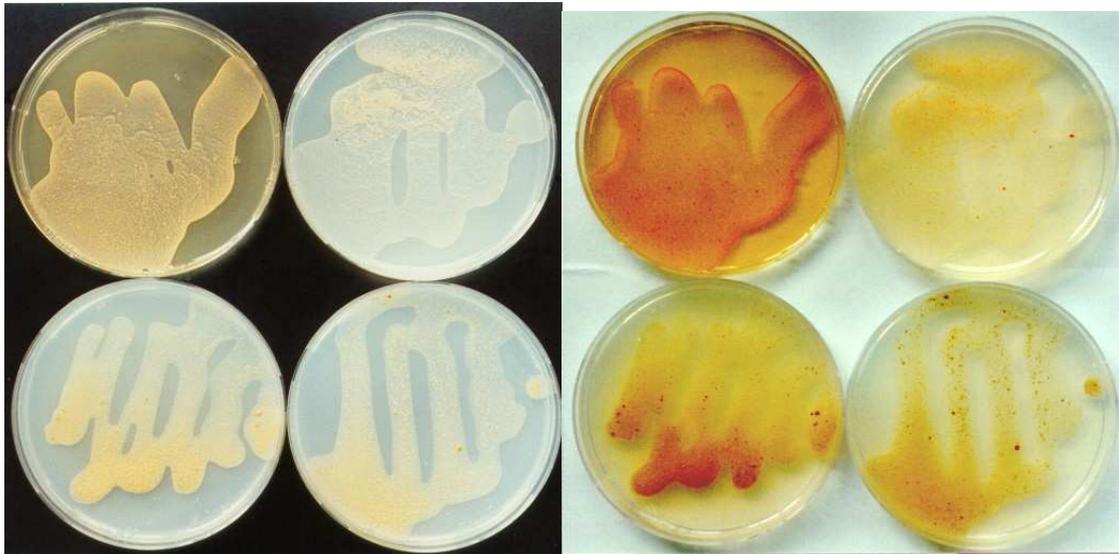
Optimum- 28°C

Carbon utilization:

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

Enzymes:

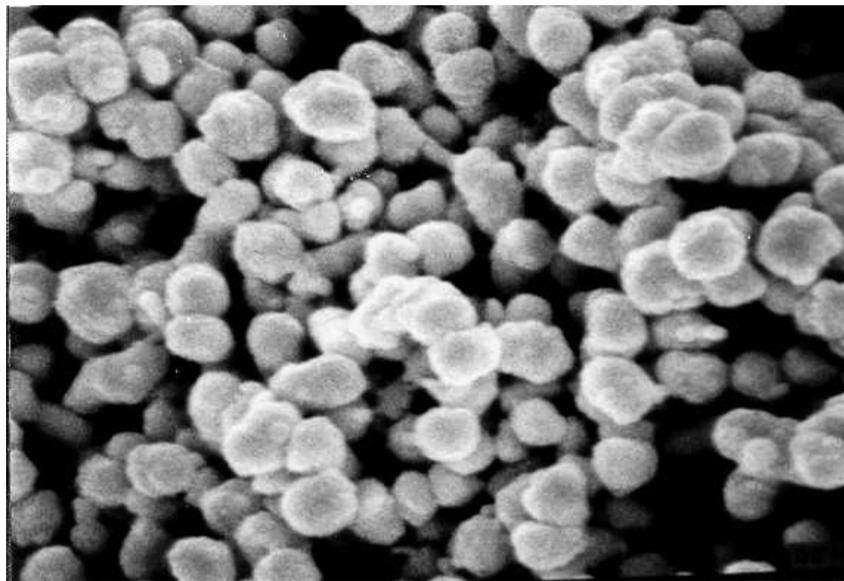
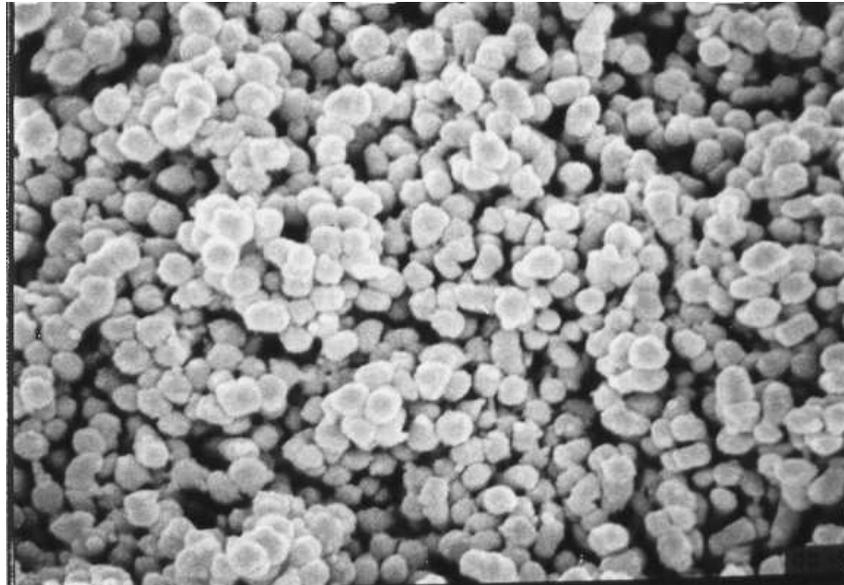
Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
-	-	-	-	-	-	-	-	-	-	-
2-	3-	4+	5-	6+	7+	8-	9-	10-	11+	12-
13-	14-	15-	16+	17-	18-	19-	20-			



Rhodococcus coprophilus

A and B – Agar plates medium 5265, 5315, 5317 and 5323

C – Agar plates medium 5006, 5318, 5322, 5337 with and without tyrosine



Rhodococcus coprophilus

Coccoid form in SEM

D x 5.000 E x 10.000