

Name: *Rhodococcus globerulus*

Authors: Goodfellow et al. 1985

Status: New Species

Reference(s): Int. J. Syst. Bacteriol. 35:223 (validation list)

Risk group: 1 (German classification)

Type strain: ATCC 25714, DSM 43954, IMET 7543, R58

Genus: *Rhodococcus* **FH 2599**
Species: *globerulus*
Numbers in other collections: ATCC 25714

Morphology:

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

Spore chains:

Spore surface: smooth

Sporangia:

Fragmentation: +

Melanoid pigment: - - - -

NaCl resistance: 0 %

Lysozyme resistance:

pH: Value-

Optimum-

Temperature : Value-

Optimum- 30°C

Carbon utilization:

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

Enzymes:

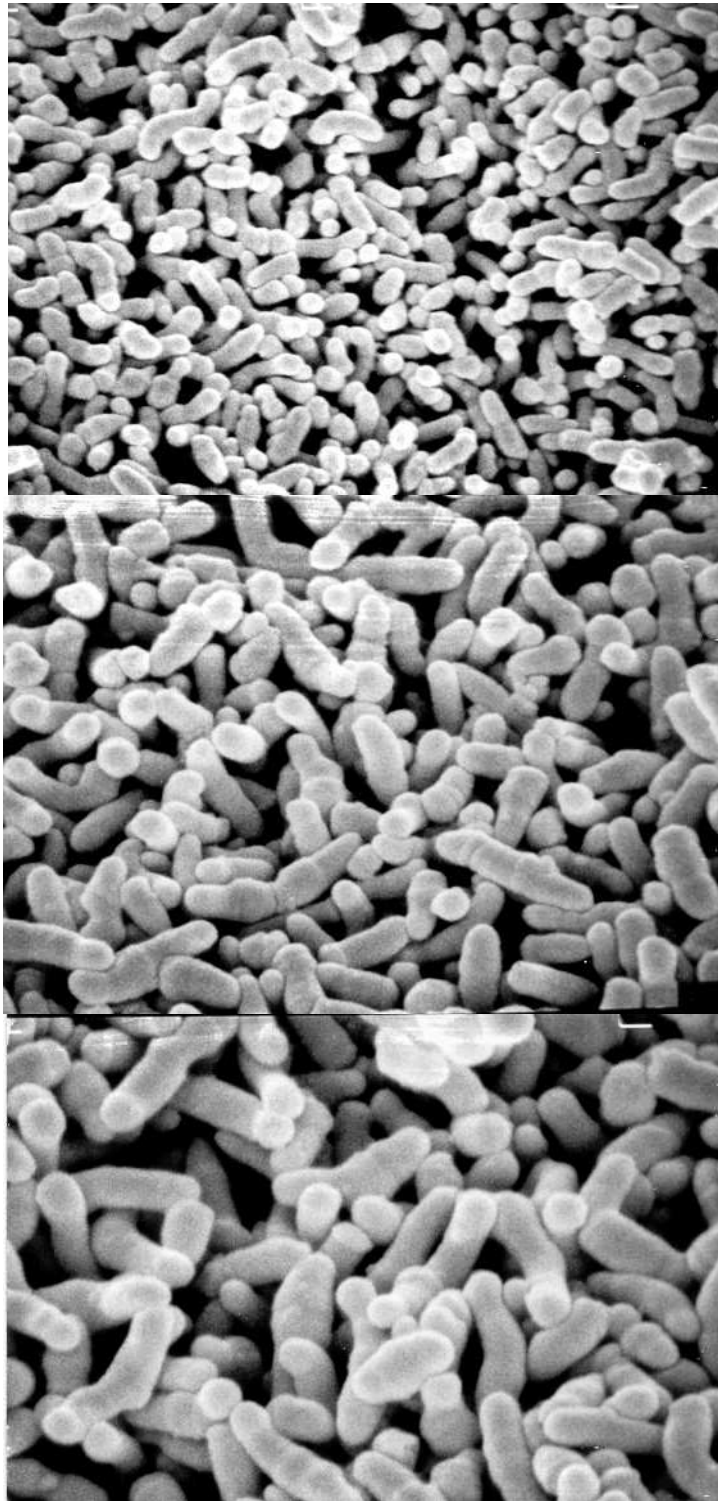
Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
-	-	+	-	-	-	-	-	-	-	-
2-	3-	4+	5-	6+	7+	8+	9-	10-	11+	12(+)
13-	14-	15-	16+	17+	18-	19-	20-			



Rhodococcus globerulus

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

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



Rhodococcus globerulus

Scanning electron micrograph of branched filaments which fragment into rods and cocci

C x 5.000 D x 7.500 E x 10.000